



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

24

Chart Area B

QB6.0

1900

Cp 00

copy 1

AC824 1st copy - 39104

QB6.0

1930

Cpoo

e. 1

PHILLIPS LIBRARY

OF

HARVARD COLLEGE OBSERVATORY.

From the

Astronomer Royal.

A04I
B.8.

CATALOGUES

OF

STARS

FOR THE EQUINOX

1900·0

FROM OBSERVATIONS MADE AT THE

—ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

DURING THE YEARS

1900-1904,

UNDER THE DIRECTION OF

SIR DAVID GILL, K.C.B., LL.D., D.Sc., F.R.S., Hon. F.R.S. Ed., Etc.,

HIS MAJESTY'S ASTRONOMER.

I.—3365 STARS, NORTH OF CAPE ZENITH.

II.— 995 STARS, SOUTH OF CAPE ZENITH.

III.— 63 STARS OBSERVED WITH 7 AND 18-INCH EQUATORIALS.

IV.— 41 STARS FROM SPECIAL PHOTOGRAPHIC PLATES.

PUBLISHED BY ORDER OF THE LORDS COMMISSIONERS OF THE ADMIRALTY,
IN OBEDIENCE TO HIS MAJESTY'S COMMAND.

EDINBURGH:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE

By NEILL & CO., LIMITED, BELLEVUE.

And to be purchased, either directly or through any Bookseller, from
WYMAN & SONS, LIMITED, FETTER LANE, E.C.; or
OLIVER & BOYD, EDINBURGH; or
E. PONSONBY, 116 GRAFTON STREET, DUBLIN.

1906.

Price Four Shillings and Sixpence.

[All Rights Reserved.]

Jan. 25, 1907.
Astronomical Observatory.
From the
Astronomer Royal.

I N D E X.

	PAGE
ERRATA	iv
INTRODUCTION	v
Epoch of each Star's Place	v
General Equinox of Catalogue	v
Origin of the Separate Results	v
Instrument employed	v
Origin of Places of the Clock Stars	v
Contents of Catalogue I.	vi
Origin of List of Zodiacal Stars	vi
List of co-operating Meridian Observatories	vii
Other Stars contained in Catalogue I.	vii
Corrections in R.A. applied depending on Magnitude	viii
Formation of the Declinations	viii
 Contents of Catalogue II.	 viii
Formation of the Declinations	ix
Right Ascensions depend on Newcomb, as in Catalogue I.	ix
Reasons for separating Catalogues I. and II.	ix
 Contents of Catalogue III.	 x
Contents of Catalogue IV.	x
 Explanation of Separate Columns of Catalogue.	 x
Observers, etc.	xii
Observations of <i>Sirius</i>	xiii
Observations of β and α Centauri	xiii
 CATALOGUE I.	 i
CATALOGUE II.	89
CATALOGUE III.	117
CATALOGUE IV.	121

ERRATA.

Page 74. Notes. *Transpose* Pub. 13 and 14.

CAPE
GENERAL CATALOGUE OF STARS
FOR
1900·0.

INTRODUCTION.

THE Results contained in the following Catalogue are based upon observations made with the non-reversible Transit Circle in the years 1900 to 1904 inclusive.

In the original publication of the daily results the places of the Clock-stars are given reduced to the Epoch and Equinox of 1900, all other stars to the mean epoch of observation and the Equinox 1900·0. *In the present Catalogue the places of all stars are given for the mean epoch of observation and the Equinox of 1900·0.*

The separate results of the observations upon which each star-place depends are given in the *Results of Meridian Observations made at the Royal Observatory, Cape of Good Hope, in the years 1900 to 1904*, already published, where a complete account is given of the methods of observation and reduction which have been employed.

It is sufficient here to state the following facts :—

The instrument employed was the non-reversible Transit Circle on Airy's plan, which has been in use since 1856, and which has been modified in detail, as described in successive volumes of *Cape Meridian Observations*.

The Right Ascensions were observed by the Chronographic method.

The places of the Clock-stars employed were those of Newcomb's Fundamental Catalogue.

The results, for reasons subsequently explained, are divided into two main Catalogues.

CAPE CATALOGUE, 1900, I.

This Catalogue contains the mean places of 3365 stars North of the Zenith of the Cape, and includes all the 2798 Zodiacal Stars which are referred to in the following resolution of the "Conférence internationale des étoiles fondamentales," which was held at Paris in 1896.

Résolution 9.

- a. Il y a lieu d'adopter un Catalogue commun d'étoiles zodiacales pour les observations de planètes effectuées par les méthodes héliométriques ou par d'autres méthodes différentielles, et de prendre, comme point de départ pour sa construction, les positions du Catalogue fondamental provisoire.
- b. La distribution des étoiles sera celle qui a été proposée par M. Gill.
- c. L'observation de ces étoiles sera recommandée d'une manière particulière aux Observatoires.

The stars have been chosen so that the position of any other object within the Zodiacal zone can be accurately determined by differential measures with the Heliometer, and care was taken to exceed as little as possible the minimum number of stars necessary for fully attaining this end.

The limits of the Zodiacal Catalogue are sufficiently wide to permit the determination of the Moon's place at any observatory, by Heliometer measures of the distance or position-angle of a Lunar crater from suitable surrounding stars, in any part of the Moon's orbit, or to determine in a similar way the position of any of the major planets.

It is, of course, practically impossible to determine with the highest accuracy the positions of all the stars that *may* be employed for these purposes, or of all stars that may be occulted by the Moon. But we shall evidently secure greater concentration of effort and higher accuracy in the resulting star-places if the attention of meridian observers is concentrated on the observations of those stars which are most necessary for the purpose in question, and if, at the same time, the observations of these stars are carried out in the manner most likely to eliminate systematic error from the results.

Granted that, at two sufficiently separate epochs, all the stars of this list have been well observed at eight or ten different observatories, and that the positions and proper motions have been thus adequately determined, it would then be possible, by

Heliometer or photographic observation, to determine differentially, with very little labour, the true position of any star (such as a star of which an occultation had been observed) with a probable error not exceeding $\pm 0''.10$.

The publication of this star-list has been followed by the cordial co-operation of the following Observatories :—

Cambridge (England).	Heidelberg.
Cape of Good Hope.	Königsberg.
Dunsink.	Lick.
Edinburgh.	Washington.

The Directors of all these Institutions have undertaken to make four or five meridian observations of each of the 2798 stars of the Zodiacal list.

This should be sufficient to insure an adequate determination of the star-places for the epoch 1900. If these stars are similarly observed at intervals of 25 years, Astronomers will be provided with all the data requisite for the most rigorous determination of places of the moon and planets.

This Catalogue also contains, besides the results of the Cape Meridian Observations of those 2798 Zodiacal Stars :—

- a.* Stars not contained in the Cape Catalogue for 1885 and 1890 of which Occultations have been observed at the Cape.
- b.* Additional Comparison Stars which have been employed in Planetary and Comet Observations at the Cape.
- c.* Stars employed in Survey operations.
- d.* Stars 8.5 mag. or brighter, North of the Zenith of the Cape Observatory, contained in the Cape Photographic Durchmusterung, which are not in any catalogue of precision.
- e.* Stars, North of the Zenith of the Cape Observatory, requiring further observation in connection with queries raised in the revision of the C.P.D.
- f.* Additional stars used as reference or comparison stars in the Heliometer Observations of planets at the Cape since 1897.*

* Since the end of 1897 all the oppositions of major planets have been observed with the Heliometer at the Cape.

The only subsequent Correction applied to the individual observations of R.A. already published has been the observers' personal equation depending on the magnitude of the star (*loc. cit.* pp. xiii. to xvii.):—

Corrections for Personal Equation in R.A. depending on Magnitude.

Mag.	P.	C.	JP.	AP.	W.	AC.	BC.	AW.
0	0·000	0·000	+0·008	+0·037	+0·019	+0·032	0·000	0·000
1	·000	·000	+·007	+·028	+·015	+·025	·000	·000
2	·000	·000	+·005	+·018	+·011	+·017	·000	·000
3	·000	·000	+·003	+·009	+·006	+·009	·000	·000
4	·000	·000	·000	·000	·000	·000	·000	·000
5	—·016	—·003	—·004	—·009	—·006	—·010	—·005	+·001
6	—·039	—·010	—·009	—·018	—·013	—·021	—·015	—·001
7	—·070	—·019	—·015	—·026	—·021	—·032	—·032	—·008
8	—·108	—·032	—·021	—·034	—·029	—·044	—·056	—·018
9	—·154	—·047	—·028	—·042	—·038	—·058	—·085	—·032
10	—0·207	—0·065	—0·036	—0·050	—0·047	—0·071	—0·121	—0·050

The Corrections which have been applied to the separate results of Declination are:—

- (1) The correction + 0"·35 sin Z.D. (South) for flexure (*loc. cit.* p. xi.).
- (2) The correction of — 0"·38 to the originally adopted latitude — 33° 56' 3"·20 (*loc. cit.* p. xviii.).
- (3) A correction to reduce the results to the system of Newcomb's Declinations, derived from comparison of the Cape Declinations with the Declinations of Newcomb's Fundamental Catalogue (*loc. cit.* pp. xix. to xxx.).

Thus the Cape Catalogue, 1900, I., should agree systematically with Newcomb's Fundamental Catalogue.

CAPE CATALOGUE, 1900, II.

This Catalogue contains 995 stars, selected as follows:—

- (1) All stars of 8·5 magnitude or brighter, South of the Zenith of the Cape Observatory, which are contained in the Cape Photographic Durchmusterung but not in any Catalogue of precision. Exception is made, however, of the stars situated between Declination — 40° and — 52°, because the few of these stars that do not occur in the Cape Catalogue of 8560 Astrographic Standards (1900) will be determined with all necessary precision from measurement of the Cape Astrographic plates.

- (2) Stars South of the Cape Zenith which required further observation in connection with queries raised in the revision of the C.P.D.
- (3) Comparison stars used in observations of Comets, etc.
- (4) Stars used in Survey Operations.

The observations of these stars have all been reduced precisely in the same way as for Catalogue I., except that the final correction applied to the Declinations in Catalogue I. (derived from comparison with Newcomb's Catalogue) has not been applied.

The Declinations of Catalogue II. should therefore be systematically comparable with those of the Cape Catalogues for 1885 and 1890.

The Right Ascensions are based on the Clock-stars of Newcomb's Fundamental Catalogue.

Reference to p. vi. of the Introduction to the *Meridian Observations*, 1900-04, will show that, as far as possible, the observations for Catalogue I. and Catalogue II. have been made on different nights, for the following reasons:—

“For observing the fainter stars it was found desirable to use an eyepiece without a reversing prism; at the same time it was necessary to avoid the introduction of personality depending on the apparent direction of motion across the field of view. For this purpose the work, as a rule, was divided into nights or watches on which (apart from circumpolar stars, which were always observed with the reversing eyepiece) all the observations were made either to the north or to the south of the zenith. Thus, on nights when only stars north of the zenith were observed, the plain eyepiece was employed for the observation of all stars; but on nights when stars south of the zenith were observed, an eyepiece with a reversing prism was employed for observing the Clock-stars, so as to cause their apparent motion to be from right to left: that is to say, in the same direction with respect to the observer as that of the stars in upper transit south of the zenith. Towards the end of the work, when comparatively few observations were required to complete the Catalogue, it would have involved too much loss of time to adhere to the above programme. The plan was therefore adopted of observing two sets of Clock-stars on each night, one with the plain eyepiece, the other with the reversing eyepiece; the clock-error determined with the former being applied to the transits of northern stars, and that with the latter to stars south of the zenith.”

CAPE CATALOGUE.

CAPE CATALOGUE, 1900, III.

This Catalogue contains 63 faint stars of which occultations by the Moon have been observed. Their positions have been determined with the 7 or 18-inch equatorials by differential observations from the star whose number in Catalogue I. is given in the last Column.

CAPE CATALOGUE, 1900, IV.

This Catalogue contains the places of 41 stars which have been derived from measurement of special photographic plates.

Nos. 4431 to 4464 are stars brighter than 8·5 which occur in the C.P.D., but are not to be found in any catalogue of precision. They form a cluster of which the component stars are too close together for economic observation with the Transit Circle. The remainder of the list consists of faint stars of which occultations by the Moon have been observed.

EXPLANATION OF SEPARATE COLUMNS OF CATALOGUES.

Catalogues I. and II. have been arranged as follows :—

1. *No.*—The ordinal number. An asterisk attached indicates a foot-note; † a double star and foot-note; such notes being on the left hand side of the page.
2. *Mag.*—Harvard determinations of magnitude are unmarked; those of Cordoba are marked *; those of B.D. †; those of the Cape ‡ without foot-note; others ‡ with foot-note.
3. *Name.*—Auwers' Bradley has been adopted as the authority for Bayer's letters and Bradley's numbers. For other stars the Catalogue number is quoted in the following order of preference: Bradley; Mayer; Lacaille; Piazzzi; Lalande; W.B.; Brisbane; C.G.A.; Cape, 1880; C.Z.; O.A. (original number); C.P.D.; Cordoba D.M.; and Gillis P.Z.
4. *Mean R.A., 1900.*—The star's R.A. for Equinox 1900·0 and *for the mean epoch of observation.*
5. *Precession, 1900.*—The Precession in R.A. computed with Newcomb's Constants, viz. :—

$$3^{\text{h}}\text{07}^{\text{m}}\text{23}^{\text{s}} + 1^{\text{s}}\text{3365} \sin \alpha \tan \delta.$$

6. *Sec. Var.*, 1900.—The Secular Variation in R.A. computed by the formula :—

$$A + B \tan \delta + C \tan^2 \delta$$

where

$$\begin{aligned} A &= + 0^{\circ}.00186 + [7.81251] \sin 2 \alpha, \\ B &= [8.47510] \cos \alpha - [6.75435] \sin \alpha, \\ C &= [8.11353] \sin 2 \alpha. \end{aligned}$$

7. *Proper Motion*.—The Annual Proper Motion in Right Ascension. These proper motions depend for the greater part on the authority of Auwers. When the star is marked * in the Ledger No. Column, the proper motion is taken from Newcomb's Fundamental Catalogue. When marked † in the same column, the star is contained in Newcomb's proposed list of Fundamental Stars but not in his Catalogue; when marked ‡ the proper motion has been taken from some other authority which is mentioned in the notes at the right hand bottom corner of the page.

8. *Mean Dec.*—The Star's Declination for Equinox 1900.0 and for the mean epoch of observation.

9. *Precession*, 1900.—The Precession in Declination computed with Newcomb's constants, viz. :—

$$20''.0468 \cos \alpha.$$

10. *Sec. Var.*, 1900.—The Secular Variation in Declination computed by the formula :—

$$A' + B' \tan \delta$$

where

$$\begin{aligned} A' &= - [7.93044] \cos \alpha - [9.65119] \sin \alpha, \\ B' &= - [9.28965] \sin^2 \alpha. \end{aligned}$$

11. *Proper Motion*.—The Annual Proper Motion in Declination depending on the same authorities as those quoted in the case of the proper motion in R.A.

12. *No. of Obs.*—The number of Observations—generally identical in Right Ascension and Declination. In the few instances when these numbers are not identical, the left hand figure denotes the number of observations in R.A., the right hand figure that in Declination.

13. *Epoch*, 1900 +.—The mean Epoch of Observation, expressed in years in excess of 1900. In the few instances where the epochs are not identical, the left hand figures denote the mean Epoch for R.A., the right hand figures the mean Epoch for Declination.

14. *Ledger*, 1900–4.—This corresponds with the ordinal number in the *Cape Meridian Observations*, 1900–4.

Notes on double stars are generally omitted for distances under 1" or over 5".

Catalogues III. and IV. are self-explanatory.

OBSERVERS, ETC.

The Observers who made the observations on which the Catalogues I. and II. are based were:—

Mr Pett denoted by P.	Mr Woodgate, denoted by W.	To 1901 Feb.
„ Cox, „ C.	„ Cochrane, „ A. C.	To 1901 June.
„ Power, „ J. P.	„ Cheeseman, „ R. C.	From 1901 April.
„ Pead, „ A. P.	„ Wilkin, „ A. W.	From 1902 Jan.

The differential observations, the results of which are given in Catalogue III., were made by Mr Cox.

To Mr Power I am specially indebted for his large personal share in the preparation of the Catalogue and for his careful revision of the references and nomenclature.

The separate results for α Canis Majoris, β and α Centauri, given below, are reduced to Newcomb's system and the Equinox of 1900.0, but without correction for proper motion or parallax.

DAVID GILL.

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,
1906 April 3.

Meridian Observations of α Canis Majoris.

Date.	Observer.	Right Ascension.	Declination.
		h m	
		6 40	-16° 34'
1902.		s	
February 10	C.	44° 38	45° 63
13	C.	44° 44	44° 68
15	A. P.	44° 30	45° 59
1903.			
February 20	P.	44° 26	45° 91
24	P.	44° 25	46° 43
26	J. P.	44° 29	45° 77
March 2	J. P.	44° 24	46° 03
3	A. P.	44° 26	46° 15
4	J. P.	44° 29	46° 34
9	P.	44° 26	46° 13

Meridian Observations of β and α Centauri.

Date.	Observer.	Right Ascension.			Declination.		
		β	α^1	α^2	β	α^1	α^2
		h m	h m	h m			
1900.		13 56	14 32	14 32	-59° 53'	-60° 25'	-60° 25'
June 12	A. C.	s	s	s	"	"	"
22	A. P.	...	47° 30	...	...	32° 15	...
		...	47° 12	...	...	32° 72	...
1901.							
June 4	P.	...	...	48° 31	...	...	12° 69
July 10	J. P.	45° 74	...	...	25° 25	...	...
12	C.	45° 88	...	48° 18	26° 97	...	12° 99
16	R. C.	...	...	48° 21	...	...	11° 79
19	P.	...	...	48° 18	...	...	11° 17
1902.							
May 26	P.	45° 86	...	...	25° 37	...	...
27	C.	45° 77	46° 22	...	25° 40	30° 22	...
June 11	C.	45° 88	46° 21	...	25° 97	30° 56	...
16	P.	45° 83	...	...	25° 47	...	...
July 7	C.	...	46° 09	...	...	29° 54	...
8	P.	...	...	47° 55	...	...	10° 45

CATALOGUE
OF
3365 STARS NORTH OF $-33^{\circ} 56' 3''.58$
REDUCED WITHOUT PROPER MOTION
TO THE
EQUINOX 1900.0.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1	4.8	33 Piscium.....	h m s 0 0 13.017	+3.0722	— .001	— .0006	— 6° 16' 0" 58	+20.047	— .01	+ .091	22	2.15	1*
2	7.8†	Lalande 47233	0 18.238	3.0722	.000	...	— 4 24 27.53	20.047	.01	...	5	2.24	3
3	8.6†	Lalande 47252	1 0.578	3.0722	+ .002	...	— 0 26 6.31	20.047	.01	...	5	3.05	4
4	8.0†	W. B. XXIII. 1209.	1 11.494	3.0721	+ .001	...	— 1 47 38.23	20.047	.01	...	5	2.88	5
5	8.7†	W. B. XXIII. 1221.	1 54.830	3.0732	+ .005	...	+ 4 43 53.46	20.046	.01	...	5	2.01	6
6	7.8†	Lalande 47274	0 1 56.688	+3.0735	+ .005	...	+ 6 19 9.94	+20.046	— .01	...	5	2.43	7
7	6.9	Lacaille 9729.....	2 14.960	3.0659	— .012	...	— 25 54 34.87	20.046	.01	...	3	1.55	8
8	6.3	4 Ceti	2 36.693	3.0715	+ .001	+ .0001	— 3 6 19.45	20.046	.01	+ .015	12	2.92	9
9	6.3	5 Ceti	3 4.824	3.0713	+ .001	+ .0003	— 3 0 15.92	20.045	.02	+ .014	5	3.22	10*
10	8.5†	Lalande 47326	3 14.352	3.0732	+ .004	...	+ 2 53 5.95	20.045	.02	...	5	3.80	12
11	8.0†	Lalande 47328	0 3 17.433	+3.0743	+ .005	...	+ 6 3 36.47	+20.045	— .02	...	3	2.82	13
12	7.6	Lalande 47342	3 44.810	3.0723	+ .002	...	+ 0 8 8.61	20.044	.02	...	5	1.44	15
13	8.1†	Lalande 47373	4 47.202	3.0744	+ .004	...	+ 4 16 32.88	20.043	.02	...	5	2.24	16
14	6.0	Piazzi O. 1	5 11.668	3.0692	— .001	...	— 5 48 15.63	20.042	.02	...	5	1.82	17
15	7.8†	Lalande 14	5 33.284	3.0731	+ .003	...	+ 1 29 54.72	20.041	.02	...	5	2.65	20
16	6.8	Piazzi O. 4	0 6 2.436	+3.0699	.000	...	— 3 52 39.03	+20.040	— .02	...	5	1.48	23
17	7.9	Lalande 33.....	6 7.682	3.0769	+ .006	...	+ 7 23 30.88	20.040	.02	...	5	2.84	24
18	7.3	Lalande 87.....	7 32.578	3.0709	.001	...	— 1 47 0.91	20.036	.02	...	5	1.43	25
19†	8.8†	Lalande 130.....	8 32.256	3.0775	.006	...	+ 6 1 28.09	20.033	.03	...	5	2.07	26
20	7.8†	W. B. O. 103.....	8 54.008	3.0683	.000	...	— 4 27 52.09	20.032	.03	...	5	2.61	27
21	7.1	Lalande 163	0 9 28.984	+3.0730	+ .003	...	+ 0 44 27.95	+20.030	— .03	...	5	1.44	28
22	8.5†	Lalande 175	9 42.568	3.0715	.002	...	— 0 51 31.05	20.029	.03	...	5	3.07	29
23	5.8	35 Piscium.....	9 49.766	3.0806	.007	+ .0070	+ 8 15 56.18	20.028	.03	— .025	5 : 4	2.51 : 2.42	30*
24	7.2	W. B. O. 129	10 30.244	3.0780	.005	...	+ 5 17 16.04	20.026	.03	...	5	2.44	32
25	7.0	Lalande 205.....	10 49.262	3.0764	.005	...	+ 3 41 44.20	20.024	.03	...	5	2.65	33
26	5.9	Lacaille 22.....	0 11 5.457	+3.0319	— .016	...	— 32 0 5.80	+20.023	— .03	...	3	2.86	34
27	6.2	36 Piscium	11 25.686	3.0813	+ .007	— .0036	+ 7 41 5.33	20.022	.03	— .009	5	3.63	36
28	7.3	Mayer 4.....	11 31.800	3.0738	+ .003	.0000	+ 1 17 39.86	20.021	.03	.000	5	1.85	37
29†	7.0	38 Piscium	12 15.388	3.0827	+ .007	+ .0025	+ 8 19 7.32	20.018	.03	+ .102	5	2.63	40
30	8.0†	W. B. O. 164.....	12 21.233	3.0720	+ .003	...	— 0 14 14.43	20.018	.03	...	3	2.34	41
31	7.4	Lalande 268.....	0 12 44.187	+3.0818	+ .006	...	+ 7 18 38.07	+20.016	— .03	...	3	1.81	43
32	7.5	Piazzi O. 36.....	13 11.290	3.0689	.001	...	— 2 34 13.12	20.014	.03	...	5	2.49	44
33	7.8	Lalande 316.....	14 9.242	3.0722	.003	...	— 0 2 4.78	20.009	.04	...	5	2.01	46
34	9.0†	B. D. + 4° 32.....	14 20.918	3.0799	.005	...	+ 5 12 20.15	20.008	.04	...	5	2.83	47
35	8.0	Lalande 349	15 1.590	3.0761	.004	...	+ 2 28 43.12	20.004	.04	...	5	2.85	49
36	8.0†	Lalande 362.....	0 15 13.552	+3.0788	+ .005	...	+ 4 13 25.50	+20.003	— .04	...	5	3.26	50
37	5.4	41 Piscium.....	15 27.085	3.0844	.007	+ .0003	+ 7 38 5.60	20.001	.04	+ .016	13 : 14	2.80 : 2.73	51*
38	8.0†	W. B. O. 235	16 6.188	3.0659	.001	...	— 3 52 7.02	19.997	.04	...	5	1.61	52
39	9.0†	W. B. O. 247	16 51.000	3.0834	.006	...	+ 6 27 25.21	19.993	.04	...	5	2.63	53
40	7.1	Lalande 414.....	17 8.072	3.0622	.000	...	— 5 44 46.60	19.991	.04	...	6	1.87	55

19. 9.5, 9.6 1.4 115° 1898.7.
29. 7.0, 8.0 4.7 237 1830.9.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
41	7.7†	Lalande 449	h m s 0 18 30.438	s +3.0764	s +0.004	s ...	+ 2° 11' 18.80	+19.982	"05	"	5	1.61	56
42	8.9†	Lalande 454	18 33.158	3.0702	.002	...	- 1 5 44.17	19.981	.05	...	5	2.65	57
43	6.3	Mayer 7	19 23.077	3.0668	.002	- .004	- 2 46 20.07	19.975	.05	- .02	6	2.55	58
44	6.1	44 Piscium	20 16.557	3.0752	.004	- .0014	+ 1 23 9.19	19.968	.05	- .023	23	2.60	61*
45	7.2	45 Piscium	20 32.536	3.0873	.007	+ .0002	+ 7 8 17.71	19.966	.05	- .049	5	2.87	63
46	8.7†	B. D. + 0° 54	0 21 4.604	+3.0736	+0.003	...	+ 0 36 38.28	+19.962	- .05	...	5	3.83	66
47	6.9	Lalande 546	21 8.186	3.0793	.005	...	+ 3 16 18.32	19.962	.05	...	5	2.50	67
48	8.5†	W. B. O. 313	21 9.800	3.0842	.006	...	+ 5 32 26.02	19.961	.05	...	5	3.86	68
49	6.4	10 Ceti	21 29.662	3.0710	.003	+ .0056	- 0 36 12.31	19.959	.05	+ .011	5	2.88	69*
50	8.5†	Lalande 562	21 42.794	3.0918	.008	...	+ 8 45 54.68	19.957	.05	...	5	2.87	70
51	7.7†	Mayer 10	0 22 12.262	+3.0774	+0.004	- .002	+ 2 15 37.78	+19.953	- .05	.00	5	1.64	71
52	6.0	Lalande 617	23 9.826	3.0952	.008	+ .0016	+ 9 38 31.51	19.944	.05	- .190	5	2.03	72†
53	9.0†	W. B. O. 351	23 55.327	3.0946	.008	...	+ 9 5 42.67	19.938	.06	...	3	2.53	75
54	7.0	W. B. O. 366	24 31.924	3.0638	.002	...	- 3 23 32.68	19.932	.06	...	5	2.05	76
55	8.0†	Lalande 661	24 40.677	3.0954	.008	...	+ 9 8 43.49	19.931	.06	...	3	2.53	77
56	7.7†	W. B. O. 368	0 24 43.576	+3.0701	+0.003	...	- 0 52 27.81	+19.930	- .06	...	5	2.89	78
57	7.8†	11 Ceti	24 47.376	3.0681	+0.002	+ .0096	- 1 40 6.98	19.930	.06	- .063	5	3.85	79
58	6.0	12 Ceti	24 56.120	3.0609	+0.001	+ .0011	- 4 30 35.47	19.928	.06	.000	18	2.76	80*
59	6.6	Lalande 670	25 0.152	3.0833	+0.006	...	+ 4 18 24.74	19.928	.06	...	5	3.45	81
60	9.3†	B. D. - 19° 71	26 14.630	3.0176	- .007	...	- 19 42 20.39	19.916	.06	...	2	2.88	83
61	7.3	Lalande 739	0 26 27.446	+3.0956	+0.008	...	+ 8 36 32.70	+19.914	- .06	...	5	1.88	84
62	8.8†	W. B. O. 406	26 48.514	3.0749	.004	...	+ 0 57 28.80	19.910	.06	...	5	2.27	85
63	5.7	51 Piscium	27 14.172	3.0901	.007	+ .0008	+ 6 24 11.42	19.906	.06	+ .022	5	2.66	86
64	7.8†	Lalande 822	28 45.962	3.0804	.005	...	+ 2 46 7.22	19.889	.06	...	5	1.87	88
65	6.8	Piazzi O. 110	28 59.758	3.1013	.009	+ .0023	+ 9 45 6.86	19.887	.07	- .156	5	2.28	89†
66	8.5†	W. B. O. 454	0 29 9.126	+3.0636	+0.002	...	- 2 56 47.39	+19.885	- .07	...	5	2.65	90
67	8.7†	W. B. O. 457	29 16.406	3.0736	.004	...	+ 0 27 4.04	19.884	.07	...	5	3.10	91
68	8.3†	Lalande 860	29 57.607	3.0942	.007	...	+ 7 10 20.36	19.876	.07	...	3	3.21	92
69	7.8†	Lalande 876	30 19.926	3.0838	.006	...	+ 3 44 36.20	19.872	.07	...	5	2.23	93
70	5.4	14 Ceti	30 24.800	3.0690	.003	+ .0078	- 1 3 17.65	19.871	.07	- .05	5	1.90	94
71	8.0†	Lalande 913	0 31 13.948	+3.0989	+0.008	...	+ 8 19 26.61	+19.861	- .07	...	5	1.88	96
72	8.5†	Lalande 929	31 47.638	3.0880	.006	...	+ 4 51 42.02	19.854	.07	...	5	3.09	97
73	8.3†	Piazzi O. 129	31 50.680	3.0595	.002	...	- 3 57 2.75	19.854	.07	...	5	2.88	98
74	7.2	Lalande 943	32 6.258	3.1082	.009	...	+ 10 53 10.72	19.851	.07	...	5	2.09	99
75	6.6	Piazzi O. 131	32 21.496	3.0808	.005	...	+ 2 35 11.41	19.847	.07	...	5	2.05	100
76	9.3†	B. D. + 1° 105	0 32 42.510	+3.0784	+0.005	...	+ 1 50 37.95	+19.843	- .07	...	5	3.27	101
77	8.5†	W. B. O. 527	33 40.628	3.0737	.004	...	+ 0 23 53.41	19.831	.07	...	5	1.67	103
78	8.5†	Piazzi O. 135	33 47.364	3.0977	.008	...	+ 7 21 56.58	19.829	.08	...	5	2.42	104
79	7.5	Piazzi O. 140	34 27.984	3.1112	.010	...	+ 10 58 58.70	19.821	.08	...	5	1.67	106
80	8.4†	Lalande 1062	35 26.083	3.0639	.003	...	- 2 19 6.66	19.808	.08	...	6	1.70	107

52, 65. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
81	6.5	Lalande 1082	^h 0 ^m 36 ^s 17.58	+3.1047	+0.009	...	+ 8° 48' 32".24	+19.800	- 0.08	...	5	1.26	109
82	9.7†	O. A. 362	37 10.877	2.9813	-0.008	...	- 22 51 22.42	19.784	0.08	...	3	2.86	110
83†	7.6	Lalande 1118	37 14.144	3.0860	+0.006	...	+ 3 37 8.73	19.783	0.08	...	5	1.91	111
84	8.5†	W. B. O. 607	37 29.842	3.0689	+0.004	...	- 0 53 36.34	19.779	0.08	...	5	2.03	113
85	8.7†	Lalande 1136	37 53.240	3.1033	+0.008	...	+ 8 1 32.81	19.774	0.08	...	5	3.09	114
86	7.8†	Lalande 1141	0 38 9.262	+3.0781	+0.005	...	+ 1 30 19.73	+19.770	- 0.08	...	5	2.26	115
87	8.8†	W. B. O. 620	38 21.346	3.0941	+0.007	...	+ 5 36 23.94	19.767	0.08	...	5	2.47	116
88	9.0†	B. D. - 21° 99	38 55.565	2.9858	-0.007	...	- 20 56 50.46	19.758	0.08	...	2	2.35	117
89	7.0	Mayer 22	40 1.830	3.0711	+0.004	+ 0.015	- 0 17 33.15	19.742	0.09	- 0.04	5	1.67	118
90	8.5†	B. D. - 1° 94	40 37.784	3.0652	+0.003	...	- 1 43 55.70	19.733	0.09	...	5	2.67	121
91	5.7	58 Piscium	0 41 48.392	+3.1213	+0.010	+ 0.0017	+11 25 41.93	+19.714	- 0.09	- 0.013	5 : 6	2.09 : 2.04	122
92	7.3	Lalande 1285	42 30.644	3.0599	0.003	...	- 2 52 5.51	19.703	0.09	...	5	2.87	124
93*	7.7†	W. B. O. 704	42 59.440	3.1103	0.009	...	+ 8 40 34.40	19.695	0.09	...	5	2.91	125
94	8.8†	W. B. O. 709	43 4.930	3.0818	0.005	...	+ 2 11 1.14	19.694	0.09	...	5	3.85	126
95	8.9†	W. B. O. 707	43 5.302	3.1150	0.009	...	+ 9 42 47.92	19.694	0.09	- 0.088	5	3.86	127†
96	6.1	62 Piscium	0 43 6.056	+3.1019	+0.008	+ 0.0050	+ 6 45 14.42	+19.693	- 0.09	+ 0.004	5	3.66	128
97	5.9	Mayer 24	43 8.392	3.0931	0.007	+ 0.0483	+ 4 45 55.52	19.693	0.09	- 1.132	5	3.27	129*
98	4.5	63 Piscium	43 29.627	3.1035	0.008	+ 0.0055	+ 7 2 26.97	19.687	0.09	- 0.044	12	2.29	130*
99	6.8	Lalande 1361	44 47.672	3.0688	0.004	...	- 0 46 8.45	19.665	0.10	...	5 : 6	2.48 : 2.37	132
100	9.0†	W. B. O. 734	44 58.692	3.1243	0.010	+ 0.0013	+11 17 11.51	19.662	0.10	- 0.055	5	2.90	133†
101	8.8†	Lalande 1378	0 45 20.976	+3.1180	+0.010	...	+ 9 52 1.52	+19.656	- 0.10	...	5	3.10	134
102	6.5	Bradley 91	46 9.300	3.0856	0.006	- 0.001	+ 2 50 32.98	19.642	0.10	- 0.080	5	2.45	135
103	8.7†	W. B. O. 765	46 18.064	3.0740	0.005	...	+ 0 21 59.91	19.639	0.10	...	5	2.86	137
104	9.4†	B. D. + 1° 151	46 19.894	3.0810	0.005	...	+ 1 50 53.52	19.638	0.10	...	5	3.84	138
105†	6.8	Piazzi O. 208	46 20.648	3.1305	0.011	+ 0.0048	+12 14 28.34	19.638	0.10	...	5	2.49	139†
106	8.0†	W. B. O. 775	0 46 46.686	+3.0889	+0.006	...	+ 3 30 59.38	+19.631	- 0.10	...	5	2.69	140
107†	8.4†	Lalande 1432	46 54.748	3.1205	0.010	+ 0.0032	+10 3 28.70	19.628	0.10	- 0.042	5	3.87	141†
108	7.4	Lalande 1447	47 14.578	3.1360	0.012	- 0.0008	+13 6 19.50	19.622	0.10	- 0.028	5	2.52	142†
109	8.6†	W. B. O. 784	47 20.688	3.1114	0.009	...	+ 8 7 20.16	19.620	0.10	...	5	3.65	143
110†	8.9†	Lalande 1459	47 34.908	3.1172	0.009	- 0.0014	+ 9 15 40.62	19.616	0.10	- 0.045	5	2.87	144†
111	4.9	20 Ceti	0 47 53.819	+3.0642	+0.004	- 0.0005	- 1 41 14.00	+19.611	- 0.10	- 0.003	32	2.44	145*
112	8.6†	Lalande 1497	48 37.282	3.1248	0.010	- 0.0021	+10 34 48.03	19.598	0.10	- 0.062	5 : 6	2.29 : 2.21	147†
113	8.1†	Piazzi O. 218	48 47.762	3.0983	0.007	...	+ 5 15 57.69	19.594	0.10	...	5	2.27	148
114	8.5†	W. B. O. 810	49 46.454	3.1350	0.011	+ 0.0015	+12 18 19.36	19.576	0.11	- 0.055	5	2.03	149†
115	6.8	Mayer 31	50 54.220	3.1425	0.012	- 0.003	+13 24 37.12	19.555	0.11	+ 0.01	5	1.48	150
116	9.1†	W. B. O. 849	0 51 14.814	+3.1362	+0.011	...	+12 10 19.33	+19.548	- 0.11	...	5	2.89	151
117	8.0†	Lalande 1600	51 20.624	3.1177	0.009	...	+ 8 41 17.91	19.546	0.11	...	5	2.44	152
118	9.0†	W. B. O. 854	51 33.550	3.1221	0.010	...	+ 9 28 28.73	19.542	0.11	...	5	2.29	153
119	7.7	Lalande 1626	52 5.686	3.0713	0.005	...	- 0 11 53.62	19.531	0.11	...	5	2.32	155
120	8.5†	B. D. + 11° 120	52 7.370	3.1357	0.011	...	+11 53 20.99	19.531	0.11	...	5	3.28	156

83. 7.8, 49.9 1.2 133° 1900.7.
 105. 6.8, 12.5 5.3 4 1891.6.
 107. 8.9, 9.6 1.8 2 1873.9.
 110. 8.9, 12.5 2.7 155 1892.0.

93. Magnitude from *Cape Annals*, VII.95, 100, 105, 107, 108, 110, 112, 114. Proper Motion from *Cape Annals*, VII.

No	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
121	7.3	Lalande 1638.....	h m s 0 52 31.366	+3.0789	+0.005	...	+ 1° 14' 39".53	+19.523	- "11	...	5	2.89	157
122	6.4	Mayer 33.....	52 39.542	3.1434	.012	- .004	+13 9 18.72	19.520	.11	+ .01	5	1.66	158
123	8.2†	W. B. O. 878.....	52 46.552	3.1101	.008	...	+ 7 4 14.15	19.518	.11	...	5	3.48	159
124	6.9	Bradley 3225.....	53 8.190	3.1062	.008	+ .0012	+ 6 18 14.05	19.511	.11	- .02	5	2.05	160
125	8.4†	B. D. + 3° 131.....	53 8.998	3.0925	.007	...	+ 3 45 22.81	19.510	.11	...	5	3.46	161
126	7.7†	Lalande 1699.....	0 54 13.482	+3.0657	+0.004	...	- 1 12 48.89	+19.489	- .11	...	6	1.89	162
127	9.0†	W. B. O. 905.....	54 28.356	3.1511	.013	...	+14 4 12.00	19.483	.12	...	5	2.88	163
128	6.3	Bradley 107.....	54 38.603	3.1052	.008	+ .0009	+ 5 56 36.98	19.481	.12	+ .01	3	0.90	164
129	7.9	W. B. O. 918.....	54 57.048	3.0839	.006	...	+ 2 5 37.74	19.473	.12	...	5	1.92	165
130	7.0	Lalande 1741.....	55 34.080	3.0600	.004	...	- 2 11 50.27	19.461	.12	...	5	2.25	166
131	8.5†	Piazzi O. 255.....	0 56 0.060	+3.1330	+0.011	...	+10 38 32.47	+19.451	- .12	+ .026	5	2.67	167†
132	8.6†	W. B. O. 942.....	56 21.702	3.0985	.007	...	+ 4 35 47.86	19.444	.12	...	5	2.72	169
133	9.0†	W. B. O. 950.....	56 43.326	3.1274	.010	...	+ 9 33 5.81	19.436	.12	...	5	3.46	170
134	9.0†	W. B. O. 960.....	57 18.174	3.1530	.012	...	+13 42 51.70	19.424	.12	...	5	3.28	171
135	6.7	Lalande 1807.....	57 29.462	3.1224	.009	...	+ 8 35 44.74	19.420	.12	...	5	1.87	172
136	4.4	71 Piscium.....	0 57 45.142	+3.1153	+0.009	- .0054	+ 7 21 6.65	+19.414	- .12	+ .026	14 : 16	2.61 : 2.52	174*
137	8.0†	Lalande 1822.....	57 50.992	3.1464	.012	- .0032	+12 30 43.73	19.412	.12	- .046	5	3.11	175†
138	8.9†	W. B. O. 984.....	58 35.240	3.1528	.012	- .0032	+13 24 0.54	19.395	.12	- .019	5	3.68	177†
139	6.0	26 Ceti.....	58 40.215	3.0772	.006	+ .0068	+ 0 49 50.79	19.394	.12	- .035	12	3.46	179†
140	8.2†	Lalande 1873.....	59 9.952	3.0728	.005	...	+ 0 4 44.40	19.383	.12	...	5	3.28	180
141	7.8†	Piazzi O. 271.....	0 59 37.796	+3.1115	+0.009	+ .0090	+ 6 30 43.79	+19.372	- .13	- .093	5	3.25	181†
142	6.2	73 Piscium.....	0 59 41.702	3.1031	.008	+ .0008	+ 5 7 12.85	19.371	.13	- .004	5	1.90	182
143	5.7	72 Piscium.....	0 59 48.568	3.1609	.013	- .0001	+14 24 30.21	19.368	.13	+ .054	12 : 13	3.07 : 2.98	183*
144	6.4	77 Piscium.....	1 0 38.756	3.0990	.007	- .0008	+ 4 22 33.26	19.349	.13	- .119	5	2.10	184
145	7.7†	Lalande 1902.....	1 0 39.174	3.1650	.013	- .0016	+14 50 55.45	19.349	.13	- .072	5	2.50	185†
146	8.0†	Lalande 1915.....	1 0 56.236	+3.0891	+0.007	...	+ 2 44 22.68	+19.342	- .13	...	5	3.88	186
147	8.6†	Lalande 1916.....	1 4.482	3.1718	.014	+ .0004	+15 46 43.49	19.339	.13	- .060	5	3.69	187†
148	6.3	75 Piscium.....	1 17.892	3.1501	.012	+ .0003	+12 25 12.26	19.334	.13	+ .036	5	1.90	188
149	8.3†	Lalande 1934.....	1 18.502	3.0644	.005	...	- 1 17 1.85	19.334	.13	...	5	3.31	189
150	7.3	Lalande 1932.....	1 19.914	3.1562	.012	...	+13 21 1.52	19.333	.13	...	5	3.50	190
151	6.9	Lalande 1939.....	1 1 25.356	+3.1210	+0.009	...	+ 7 49 32.36	+19.331	- .13	...	5	3.65	191
152	7.1	Lalande 1955.....	1 48.778	3.1416	.011	...	+11 1 1.90	19.322	.13	...	5	2.52	192
153	8.4†	Lalande 1974.....	2 34.304	3.1711	.014	- .0042	+15 19 47.35	19.304	.13	- .037	5	2.69	193†
154	6.9	Mayer 40.....	3 8.070	3.1323	.010	.000	+ 9 22 26.83	19.291	.13	+ .02	6	1.57	194
155	5.6	80 Piscium.....	3 13.036	3.1049	.008	- .0180	+ 5 7 14.37	19.289	.13	- .171	5	1.94	195*
156	6.4	Piazzi O. 311.....	1 4 53.218	+3.1733	+0.014	...	+15 8 30.24	+19.249	- .14	...	5	1.69	196
157	9.0†	B. D. + 5° 150.....	5 22.614	3.1133	.009	...	+ 6 13 6.70	19.237	.14	...	5	2.87	198
158	6.1	33 Ceti.....	5 24.764	3.0849	.006	- .0017	+ 1 54 48.79	19.236	.14	- .004	5	1.53	199
159	8.7†	Lalande 2103.....	5 45.226	3.1826	.014	...	+16 14 44.04	19.227	.14	...	5	3.11	201
160	8.3†	Lalande 2119.....	5 58.866	3.1681	.013	- .0065	+14 9 36.54	19.222	.14	- .034	5	3.48	203†

141. Proper Motion from *Cincinnati Pub.*, 14.131, 137, 138, 145, 147, 153, 160. Proper Motion from *Cape Annals*, VII.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4
161	9.0†	W. B. I. 43.....	^h 6 ^m 17.656	^s +3.0983	^s +.008	...	+ 3° 53' 50".52	+19.214	- ".14	...	5	3.09	204
162	8.5†	W. B. I. 45.....	6 28.786	3.1630	.013	...	+13 20 42.71	19.209	.14	...	5	3.88	205
163	9.1†	W. B. I. 46.....	6 29.788	3.1264	.010	...	+ 8 2 51.21	19.209	.14	...	5	3.50	206
164	7.1	Lalande 2143.....	7 3.865	3.1525	.012	...	+11 45 6.84	19.195	.14	...	6:7	1.92 : 1.91	207
165	6.8	35 Ceti.....	7 22.927	3.0854	.007	- .0132	+ 1 56 35.66	19.186	.14	- .13	3	1.26	208
166	8.6†	Lalande 2158.....	^h 7 ^m 30.796	^s +3.1853	^s +.014	...	+16 14 0.57	+19.183	- ".14	...	5	2.91	209
167	5.4	86 Piscium..... <i>pr.</i> ‡	8 30.370	3.1210	.009	+ .0096	+ 7 2 47.33	19.158	.14	- .052	23	2.94 : 3.03	211*
168	9.3†	W. B. I. 76.....	8 31.800	3.1437	.011	...	+10 17 0.30	19.157	.14	...	5	2.90	212
169	5.9	87 Piscium.....	8 48.838	3.1827	.014	- .0047	+15 36 14.90	19.150	.15	- .018	5	1.89	213
170	6.2	88 Piscium.....	9 30.242	3.1175	.009	- .0024	+ 6 27 58.46	19.132	.14	- .021	5	1.90	214
171	6.6	Lalande 2258.....	^h 10 ^m 27.582	^s +3.0750	^s +.006	...	+ 0 23 0.60	+19.107	- ".14	...	5:6	1.94 : 1.93	215
172	7.1	Lalande 2255.....	10 32.860	3.1383	.011	...	+ 9 15 18.18	19.105	.15	...	5	2.28	216
173	8.7†	B. D. + 16° 129.....	10 50.990	3.1974	.015	...	+17 6 23.62	19.097	.15	...	5	2.90	218
174	7.8†	Lalande 2291.....	11 26.370	3.0881	.007	...	+ 2 12 26.78	19.081	.15	...	5	2.10	219
175	8.2†	Lalande 2296.....	11 33.524	3.1048	.008	...	+ 4 31 40.47	19.078	.15	...	5	2.33	220
176	9.0†	B. D. + 15° 185.....	^h 12 ^m 9.434	^s +3.1896	^s +.014	...	+15 49 37.24	+19.062	- ".15	...	5	2.89	222
177	7.4	Lalande 2312.....	12 14.864	3.1734	.013	...	+13 42 57.61	19.059	.15	...	5	1.90	223
178	5.4	89 Piscium..... <i>f</i>	12 38.399	3.0948	.007	- .0033	+ 3 5 16.58	19.048	.15	- .026	14	2.26 : 2.41	225*
179	8.2†	Lalande 2385.....	14 14.770	3.1311	.010	...	+ 7 52 10.68	19.004	.15	...	5	2.12	226
180	8.3†	Lalande 2391.....	14 25.988	3.1600	.012	...	+11 37 13.26	18.999	.16	...	5	1.29	227
181	7.5	Lalande 2407.....	^h 15 ^m 21.126	^s +3.1893	^s +.014	...	+15 10 17.10	+18.973	- ".16	...	5	1.92	228
182	6.8	Lalande 2435.....	16 2.550	3.1570	.012	...	+11 0 44.65	18.954	.16	...	5	1.90	229
183	7.0	Lalande 2449.....	16 40.792	3.1662	.012	...	+12 4 49.44	18.935	.16	...	5	1.31	231
184	8.9†	W. B. O. 229.....	17 8.486	3.0954	.008	...	+ 2 59 37.81	18.922	.16	...	5	2.88	232
185	9.1†	B. D. + 4° 232.....	17 14.762	3.1126	.009	...	+ 5 12 48.64	18.919	.16	...	5	3.29	233
186	6.5	Mayer 50.....	^h 17 ^m 28.036	^s +3.0816	^s +.007	+ .001	+ 1 12 15.35	+18.913	- ".16	- .05	5	2.89	234
187	7.5	B. D. + 9° 158.....	17 28.594	3.1492	.011	...	+ 9 50 55.80	18.912	.16	...	5	1.90	235
188	7.0	Mayer 51.....	17 32.742	3.1050	.008	- .004	+ 4 12 56.17	18.910	.16	.00	5	2.71	236
189	6.9	Lalande 2483.....	17 36.956	3.1574	.011	...	+10 50 40.83	18.908	.16	- .050	5	3.70	238†
190	7.2	Mayer 52.....	17 43.044	3.1260	.010	+ .005	+ 6 53 24.36	18.905	.16	+ .24	5	3.88	239
191	7.9†	Lalande 2493.....	^h 17 ^m 51.924	^s +3.1402	^s +.011	...	+ 8 39 57.30	+18.901	- ".16	...	5	3.08	240
192	8.9†	W. B. O. 256.....	18 41.196	3.1910	+ .014	...	+14 47 1.10	18.877	.17	...	5	1.29	243
193	8.8†	W. B. O. 264.....	19 1.170	3.1797	+ .013	...	+13 22 47.41	18.867	.17	...	5	2.12	245
194	8.0	Lalande 2588.....	20 4.533	2.8254	- .007	...	-28 21 10.51	18.836	.15	...	3	2.86	246
195	7.0	Lalande 2589.....	20 30.814	3.0920	+ .007	...	+ 2 27 6.31	18.822	.16	...	5	1.92	247
196	7.2	Lalande 2591.....	^h 20 ^m 42.112	^s +3.1526	^s +.011	...	+ 9 53 11.57	+18.817	- ".17	...	5	1.28	248
197	6.5	Lalande 2632.....	21 43.412	3.0969	.008	...	+ 3 0 59.15	18.786	.17	...	5	2.69	250
198	8.5†	Lalande 2625.....	21 44.446	3.1617	.012	...	+10 50 54.44	18.785	.17	...	5	2.92	251
199	7.8†	95 Piscium.....	22 28.256	3.1121	.009	- .0042	+ 4 50 14.26	18.763	.17	- .141	5	2.11	252
200	6.8	Mayer 55.....	23 1.408	3.2131	.015	+ .006	+16 33 42.48	18.746	.17	- .02	5	2.09	253

189. Proper Motion from *Cape Annals*, VII.

No.	Mag.	Name.	Mean R.A. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	Mean Dec. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
201	6.4	Piazzi I. 85	^h 23 ^m 8 ^s 238	+3'1342	+0'010	...	+ 7° 26' 35.47	+18'742	- '17	...	5	2.51	254
202	8.3	Lalande 2706.....	23 55.670	3'1495	'011	...	+ 9 9 37.94	18'717	'17	...	5	3.67	255
203	8.6†	Lalande 2712.....	24 7.254	3'1731	'013	...	+11 52 19.63	18'712	'17	...	5	2.12	256
204	9.1†	W. B. I. 370.....	24 33.826	3'1897	'014	...	+13 41 34.38	18'697	'18	...	5	3.50	257
205	5.0	98 Piscium.....μ	24 56.664	3'1200	'009	+ '0199	+ 5 37 41.89	18'685	'17	- '027	5	2.05	258*
206	9.0†	B. D. + 1° 269.....	1 25 45.316	+3'0868	+ 007	...	+ 1 42 19.22	+18'660	- '17	...	5	2.50	259
207†	3.8	99 Piscium.....γ	26 7.868	3'2022	'014	+ '0015	+14 49 49.29	18'648	'18	- '003	14	2.98	260*
208	7.6	Mayer 58.....	26 25.456	3'1624	'012	+ '002	+10 22 25.25	18'638	'18	+ '02	5	2.48	261
209	8.3†	W. B. I. 405.....	26 27.687	3'2052	'014	...	+15 6 35.63	18'637	'18	...	3	3.23	262
210	8.2†	B. D. + 15° 227.....	26 33.100	3'2093	'015	...	+15 32 8.33	18'634	'18	...	5	3.47	263
211	8.2†	B. D. - 19° 265.....	1 27 25.915	+2'9002	- '002	...	-19 4 45.35	+18'606	- '17	...	2	1.37	264
212	8.6†	W. B. I. 433.....	27 41.284	3'1095	+ '009	...	+ 4 15 37.67	18'597	'18	...	5	2.33	266
213	8.5†	B. D. - 19° 270.....	28 17.400	2'8959	- '002	...	-19 21 16.08	18'578	'17	...	2	1.93	267
214	7.0	Lacaille 444.....	28 29.860	2'8409	- '004	+ '0174	-24 41 14.26	18'571	'16	- '176	3	1.21	269†
215	8.7†	B. D. + 3° 215.....	28 34.610	3'1010	+ '008	...	+ 3 15 30.69	18'568	'18	...	5	2.88	270
216	8.5†	B. D. + 8° 246.....	1 28 40.140	+3'1475	+ '011	...	+ 8 28 49.58	+18'565	- '18	...	5	3.10	271
217	7.0	100 Piscium.....	29 32.770	3'1809	'013	- '0031	+12 2 47.72	18'536	'18	+ '003	5	1.91	272
218	8.2†	B. D. + 13° 238.....	29 34.456	3'1980	'014	...	+13 52 22.76	18'535	'18	...	5	2.12	273
219	7.4	Lalande 2902.....	30 1.177	3'0469	'005	...	- 2 50 50.47	18'520	'18	...	3	0.94	275
220	8.6†	Lalande 2908.....	30 16.282	3'1632	'012	...	+10 2 59.87	18'512	'18	...	5	2.91	276
221†	7.2	Lacaille 458.....	1 30 23.130	+2'6707	- '006	...	-30 25 30.77	+18'508	- '16	...	2	1.93	277
222	6.2	101 Piscium.....	30 25.496	3'2018	+ '014	- '0016	+14 8 59.86	18'507	'19	- '001	5	2.28	278
223†	7.8†	Lalande 2935.....	31 5.684	3'1067	+ '008	...	+ 3 48 12.05	18'484	'18	...	5	2.52	279
224	7.1	B. D. + 5° 218.....	31 27.918	3'1288	+ '010	...	+ 6 12 29.07	18'471	'19	...	5	3.30	280
225	6.7	Lalande 2945.....	31 29.054	3'1390	+ '010	...	+ 7 19 14.43	18'471	'19	...	5	2.50	281
226	5.6	102 Piscium.....π	1 31 47.753	+3'1796	+ '013	- '0049	+11 37 48.44	+18'460	- '19	+ '034	13	2.98 : 2.82	283*
227	8.5†	W. B. I. 503.....	31 48.982	3'1190	'009	...	+ 5 7 20.64	18'459	'19	...	5	3.08	284
228	7.8†	Lalande 2994.....	32 33.577	3'0053	'003	...	- 7 16 2.49	18'434	'18	...	3	0.88	285
229	7.8†	Lalande 3012.....	33 10.202	3'0915	'008	...	+ 2 4 38.01	18'413	'19	...	5 : 6	1.91 : 1.90	287
230†	6.9	103 Piscium.....	33 51.784	3'2261	'015	- '0021	+16 7 4.39	18'389	'20	- '027	5	2.13	288
231	6.9	104 Piscium.....	1 33 53.832	+3'2028	+ '014	+ '0057	+13 46 41.05	+18'388	- '19	- '030	5	2.10	289
232	6.1	105 Piscium.....	34 17.024	3'2245	+ '015	+ '0032	+15 53 54.83	18'374	'20	- '008	5	2.30	292
233	8.9†	W. B. I. 552.....	34 21.516	3'2147	+ '015	...	+14 55 1.26	18'372	'20	...	5	3.28	293
234	8.5†	O. A. 979.....	34 25.098	2'9137	- '001	...	-16 30 19.04	18'369	'18	...	6	3.73	294
235	6.7	Mayer 63.....	35 18.872	3'1506	+ '011	+ '005	+ 8 15 13.50	18'338	'19	+ '02	5	1.72	295
236	8.3†	B. D. - 17° 300.....	1 35 24.980	+2'9019	- '001	...	-17 29 44.64	+18'334	- '18	...	6	3.73	297
237	7.9	Lalande 3102.....	35 44.292	2'9087	- '001	...	-16 47 46.82	18'323	'18	...	6	2.92	298
238	8.8†	B. D. + 6° 259.....	35 55.112	3'1398	+ '010	...	+ 7 5 4.75	18'317	'19	...	5	2.10	299
239	4.6	106 Piscium.....ν	36 13.576	3'1198	+ '009	- '0015	+ 4 58 53.80	18'306	'19	+ '003	15	2.36	301*
240	8.7†	W. B. I. 621.....	36 44.378	3'1122	+ '009	...	+ 4 10 1.81	18'287	'19	...	5	3.29	302

207. 3.5, 10.5 1" 2 14" 1897.9.
 221. 7.2, 12 1 " 4 9 1898.7.
 223. 7.8, 11.5 5 " 2 197 1898.8.
 230. 7.0, 9.3 1 " 4 291 1898.0.

214. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°0.	Procession 1900°0.	Sec. Var. 1900°0.	Proper Motion.	Mean Dec. 1900°0.	Procession 1900°0.	Sec. Var. 1900°0.	Proper Motion.	No. of Obs.	Epoch 1900+	Ledger 1900-4.
241	7·8†	Lalande 3131.....	^{h m s} 1 37 37·02	^s +3·2223	^s +·015	...	+15° 16' 25·25	+18·276	-·20	...	5	1·92	303
242	8·0†	Lalande 3141.....	37 18·648	3·1668	+·012	...	+ 9 44 25·19	18·267	·20	...	5	2·12	304
243	8·5†	Lalande 3145.....	37 31·654	3·1753	+·012	...	+10 34 54·94	18·259	·20	...	5	3·87	305
244	5·3	Sculptoris.....π	37 37·770	2·7160	-·007	...	-32 49 52·02	18·255	·17	...	3	1·58	306
245	8·6†	B. D. + 11° 221.....	37 42·722	3·1904	+·013	...	+12 3 47·81	18·252	·20	...	5	3·68	307
246	8·8†	W. B. I. 653.....	^{h m s} 1 38 20·493	+3·2130	+·014	...	+14 11 55·72	+18·230	-·20	...	4	2·67	309
247	8·0†	W. B. I. 662.....	38 41·190	3·1024	·008	...	+ 3 5 13·51	18·217	·20	...	5	1·49	310
248	8·6†	W. B. I. 669.....	39 3·824	3·2073	·014	...	+13 33 17·19	18·203	·20	...	5	2·33	311
249	3·7	52 Ceti.....τ	39 24·891	2·9063	·000	-·1199	-16 27 47·36	18·190	·17	+·858	9	3·67	312*
250	4·5	110 Piscium.....o	40 6·727	3·1584	·011	+·0049	+ 8 39 16·51	18·165	·20	+·045	14	2·62	313*
251	9·0†	W. B. I. 694.....	^{h m s} 1 40 59·816	+3·1326	+·010	...	+ 6 2 6·90	+18·131	-·20	...	5	2·48	315
252	6·4	3 Arietis.....	41 9·522	3·2459	·016	+·0019	+16 54 43·29	18·126	·21	+·002	5	3·30	316
253	7·0	Mayer 68.....	41 50·718	3·1772	·012	+·001	+10 20 40·33	18·100	·21	+·02	5	1·94	317
254	8·6†	W. B. I. 716.....	42 15·378	3·2022	·014	...	+12 41 28·45	18·085	·21	...	5	3·49	318
255	5·8	4 Arietis.....	42 45·394	3·2434	·016	+·0015	+16 27 27·02	18·066	·21	-·016	5	3·06	319
256*	8·2†	Bradley 236.....	^{h m s} 1 42 55·730	+3·2444	+·016	-·0030	+16 31 22·53	+18·059	-·21	+·05	3	3·22	320
257	8·7†	W. B. (2) I. 492.....	43 6·517	3·2485	+·016	...	+16 52 6·83	18·052	·21	...	3	2·22	321
258	7·3	Lalande 3303.....	43 25·354	3·1458	+·010	...	+ 7 11 10·08	18·040	·21	...	5	2·36	323
259	7·5	O. A. 1085.....	43 45·417	2·9128	+·001	...	-15 15 47·12	18·028	·19	...	6	3·91	324
260	7·2	Lacaille 527.....	43 58·597	2·7770	-·004	...	-26 45 6·03	18·019	·19	...	3	2·25	325
261	8·5†	O. A. 1094.....	^{h m s} 1 44 14·525	+2·9031	·000	...	-16 4 44·99	+18·008	-·19	...	6	3·89	326
262	8·3†	W. B. I. 750.....	44 16·872	3·1250	+·010	...	+ 5 7 44·77	18·007	·21	...	5	3·26	327
263	9·0†	Lalande 3344.....	44 42·936	3·2177	·014	...	+13 51 8·44	17·990	·22	...	5	3·49	328
264	9·1†	O. A. 1108.....	45 11·463	2·8995	·000	...	-16 16 1·87	17·972	·20	...	6	3·73	330
265*	7·0	Lalande 3385.....	45 22·565	2·9312	·001	...	-13 22 58·80	17·965	·20	...	4	1·67	331
266	6·0	54 Ceti.....	^{h m s} 1 45 33·489	+3·1829	+·012	-·0062	+10 32 53·51	+17·958	-·21	-·031	12	3·15	332†
267	8·5†	W. B. I. 778.....	45 49·018	3·1111	·009	...	+ 3 43 34·02	17·948	·21	...	5	3·70	333
268	8·5†	B. D. + 8° 284.....	46 15·270	3·1649	·011	...	+ 8 48 24·69	17·931	·21	...	5	2·28	334
269	8·6†	Lalande 3442.....	47 35·434	3·1164	·009	...	+ 4 10 9·91	17·878	·21	...	5	1·70	337
270	8·5†	Lalande 3444.....	47 50·100	3·2339	·015	...	+14 56 22·32	17·868	·22	...	5	2·72	338
271	7·1	Lalande 3461.....	^{h m s} 1 48 9·064	+3·2035	+·013	...	+12 11 25·54	+17·856	-·22	...	5	1·73	339
272	7·8†	Lalande 3475.....	48 22·816	3·1486	·011	...	+ 7 8 28·25	17·847	·22	...	5	3·10	340
273	8·0†	Lalande 3492.....	48 53·476	3·1742	·012	...	+ 9 27 37·17	17·827	·22	...	5	3·28	341
274	8·0†	W. B. I. 834.....	49 4·750	3·1903	·013	...	+10 54 37·14	17·819	·22	...	5	3·90	342
275	7·0	Lalande 3504.....	49 5·346	3·1615	·011	...	+ 8 17 20·11	17·819	·22	...	5	3·67	343
276	2·7	6 Arietis.....β	^{h m s} 1 49 6·871	+3·2992	+·018	+·0064	+20 19 9·25	+17·817	-·23	-·111	14	2·33	344*
277	8·1†	Lalande 3514.....	49 24·756	3·2170	·014	...	+13 15 56·17	17·805	·22	...	5	1·92	345
278	8·0†	Lalande 3543.....	50 4·172	3·1366	·010	...	+ 5 56 48·84	17·779	·22	...	5	2·28	346
279	8·5†	B. D. + 16° 217.....	50 4·600	3·2755	·016	...	+16 41 55·39	17·778	·23	...	5	2·53	347
280	5·1	8 Arietis.....	51 53·163	3·2678	·016	+·0011	+17 19 45·68	17·705	·23	-·019	12	2·09	348

256. H. C. O. 7·3, A. G. C. 7·7, Cape 8·7 mag.
265. 1900 Nov. 8, 8·2 mag.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
281†	6.6	58 Ceti.....	h m s 1 52 54.417	s +3.0442	s +0.006	+ .001	— 2° 32' 50".36	+17.663	— .22	+ .020	3	0.88	349
282	8.2†	Lalande 3635.....	53 13.022	3.2474	.015	...	+15 26 34.77	17.650	.23	...	5	1.94	351
283	6.0	Mayer 74.....	54 4.572	3.2058	.013	— .001	+11 48 35.04	17.614	.23	— .02	5	1.92	352
284	7.1	Piazzi I. 225.....	54 44.012	3.1346	.010	...	+ 5 33 1.46	17.587	.23	...	5	1.93	353
285	8.7†	W. B. I. 932.....	54 57.118	3.1417	.010	...	+ 6 10 7.55	17.578	.23	...	5	3.69	354
286	7.7†	Lalande 3689.....	1 55 3.326	+3.1873	+0.012	...	+10 8 42.35	+17.574	— .23	...	5	2.52	355
287	7.1	Piazzi I. 228.....	55 9.662	3.1162	.009	...	+ 3 54 15.40	17.569	.23	...	5	3.10	356
288	6.9	Lalande 3704.....	55 11.863	3.0289	.006	...	— 3 51 10.79	17.567	.22	...	3	0.88	357
289	8.5†	W. B. I. 944.....	55 27.408	3.1713	.012	...	+ 8 43 39.24	17.557	.23	...	5	3.89	359
290†	7.7†	Lalande 3707.....	55 43.332	3.2587	.016	...	+16 4 53.97	17.545	.24	...	5	2.50	360
291	6.7	Lalande 3738.....	1 56 25.464	+3.2414	+0.015	...	+14 35 1.32	+17.516	— .24	...	5	1.93	361
292	7.2	Piazzi I. 234.....	56 35.424	3.1566	.011	...	+ 7 22 56.67	17.509	.23	...	5	2.90	362
293	6.3	W. B. I. 973.....	57 12.022	3.2233	.014	...	+12 59 40.05	17.482	.24	...	5	1.95	363
294	8.0†	W. B. I. 978.....	57 17.738	3.1713	.012	...	+ 8 35 58.85	17.478	.23	...	5	2.52	364
295	9.1†	W. B. (2) I. 1326....	57 59.870	3.2841	.017	...	+17 50 46.63	17.448	.24	...	3	1.21	365
296	6.0	C. G. A. 2026.....	1 58 9.700	+2.8860	+0.001	...	—15 47 15.87	+17.441	— .22	...	3	1.59	366
297	6.4	Piazzi I. 243.....	1 58 13.432	3.2836	+0.017	— .0031	+17 46 21.81	17.438	.24	— .018	5	2.51	367†
298	6.5	Lacaille 611.....	1 58 14.680	2.7737	— .002	...	—24 22 2.42	17.437	.21	...	3	2.57	368
299	8.7†	Lalande 3846.....	2 0 14.838	3.2792	+0.017	...	+17 10 19.65	17.350	.25	...	5	1.71	369
300	9.1†	B. D. + 12° 280.....	2 0 18.996	3.2221	+0.014	...	+12 36 42.19	17.347	.24	...	5	2.72	370
301	7.8†	Lalande 3853.....	2 0 43.677	+3.3184	+0.018	— .007	+20 6 53.56	+17.329	— .25	— .02	6	1.76	371†
302	6.7	Lalande 3866.....	0 55.346	3.1641	.011	...	+ 7 46 14.14	17.321	.24	...	5	2.34	372
303	7.9†	Lalande 3869.....	1 16.678	3.2418	.015	...	+14 6 23.42	17.305	.25	...	5	3.07	373
304	7.7†	Lalande 3876.....	1 20.220	3.1913	.012	...	+10 0 1.96	17.302	.24	...	5	2.53	374
305*	7.0†	Mayer 79.....	2 16.440	3.2873	.017	— .004	+17 33 11.01	17.261	.25	— .07	5	1.71	376
306	7.5	Lalande 3918.....	2 2 32.796	+3.1380	+0.010	...	+ 5 30 34.47	+17.248	— .24	...	5	2.91	377
307	7.5	Lalande 3912.....	2 36.972	3.2591	.015	...	+15 19 46.81	17.245	.25	...	5	2.12	378
308	8.0†	Lalande 3925.....	2 46.368	3.2013	.013	...	+10 42 53.12	17.239	.25	...	5	2.72	379
309	7.8†	Piazzi I. 258.....	3 1.392	3.1729	.012	...	+ 8 22 31.07	17.228	.24	...	5	2.34	380
310	8.5†	B. D. + 6° 331.....	3 41.028	3.1509	.011	...	+ 6 32 0.58	17.198	.24	...	5	3.27	381
311	6.4	Lalande 3950.....	2 3 53.382	+3.2793	+0.016	+ .0082	+16 45 18.79	+17.189	— .25	— .188	5	1.73	382†
312	8.5†	Lalande 3959.....	4 9.712	3.3215	.018	.000	+19 52 27.71	17.176	.26	.00	5	2.89	383†
313	7.6	Lalande 3971.....	4 23.100	3.2278	.014	...	+12 42 7.83	17.166	.25	...	5	2.15	384
314	5.9	15 Arietis.....	5 4.886	3.3115	.018	+ .0059	+19 1 43.30	17.134	.26	— .032	5	1.92	386*
315	7.2	Mayer 81.....	5 46.370	3.3386	.019	+ .018	+20 54 22.18	17.103	.26	+ .01	5	1.51	387
316	5.8	64 Ceti.....	2 6 4.252	+3.1718	+0.011	— .0105	+ 8 6 5.52	+17.090	— .25	— .100	5	1.94	388
317	8.5†	Lalande 4071.....	7 9.922	3.1947	.013	...	+ 9 51 34.10	17.039	.25	...	5	3.48	390
318	5.3	17 Arietis.....	7 12.072	3.3390	.019	+ .0092	+20 44 28.31	17.038	.26	+ .016	5	2.51	391
319	7.4	Lalande 4076.....	7 17.636	3.2409	.014	...	+13 26 56.29	17.033	.26	...	5	3.31	392
320	5.8	19 Arietis.....	7 35.966	3.2590	.015	+ .0049	+14 48 39.85	17.019	.26	— .016	5	2.32	394

281. 6.6, 10.8 2.7 21° 1898.6.

290. 7.7, 12.5 1.3 244 1892.0.

305. Magnitude from *Potsdam Photometry*; Harvard, 6.5, B. D., 7.3.297, 301, 312. Proper Motion from *Cape Annals*, VII.311. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
321	4.6	65 Ceti..... ²¹	^h 2 ^m 7 ^s 41.907	+3.1764	+0.012	— .0012	+ 8° 22' 39.88	+17.015	— .25	— .016	18	2.71	395*
322	7.1	Bradley 309.....	8 18.764	3.3187	.018	+ .0008	+19 8 46.04	16.986	.26	+ .02	5	2.67	396
323	8.2†	W. B. II. 79.....	8 49.862	3.2213	.014	...	+11 48 59.03	16.962	.26	...	5	1.92	397
324	8.1†	Lalande 4179.....	10 28.146	3.2701	.016	...	+15 21 18.38	16.885	.26	...	5	1.51	399
325	8.7†	Lalande 4180.....	10 31.082	3.2110	.013	...	+10 53 40.64	16.883	.26	...	5	1.92	400
326	7.8*	C. G. A. 2275.....	2 10 40.217	+2.7549	— .001	...	—23 44 51.35	+16.876	— .22	...	3	2.27	401
327	8.2†	O. A. 1421.....	10 41.687	2.8594	+ .001	...	—16 26 32.20	16.874	.23	...	3	2.27	402
328	8.5†	B. D. + 6° 342.....	11 2.802	3.1548	+ .011	...	+ 6 30 27.14	16.858	.26	...	5	3.29	403
329	8.6†	W. B. II. 130.....	11 32.390	3.1914	+ .012	...	+ 9 19 20.63	16.835	.26	...	5	3.90	404
330	8.5†	Lalande 4214.....	11 33.836	3.2922	+ .016	...	+16 51 8.87	16.834	.27	...	5	3.88	405
331	7.4	Lalande 4238.....	2 12 13.340	+3.3090	+ .017	...	+17 59 28.96	+16.802	— .27	...	5	1.93	406
332	5.6	22 Arietis..... ⁰	12 33.690	3.3302	.018	— .0007	+19 26 18.92	16.786	.27	— .003	18	2.36	407*
333	8.4†	W. B. (2) II. 241....	12 57.192	3.3599	.020	— .002	+21 26 9.62	16.767	.28	— .04	5	2.52	408†
334	7.1	Lalande 4282.....	13 26.532	3.2356	.014	...	+12 31 47.09	16.744	.27	...	5	3.49	409
335	6.9	23 Arietis.....	13 35.054	3.3289	.018	— .0026	+19 13 47.81	16.737	.27	— .108	5	2.74	410
336	6.4	Lacaille 695.....	2 14 29.647	+2.7646	— .001	— .0169	—26 25 7.25	+16.693	— .23	+ .439	3	0.97	411†
337	8.2†	W. B. II. 182.....	14 47.224	3.2550	+ .015	...	+13 50 19.26	16.679	.27	...	5	1.94	412
338	9.1†	B. D. + 19° 346.....	14 58.000	3.3376	+ .018	— .003	+19 39 54.62	16.670	.28	— .01	5	2.89	413†
339	8.5†	B. D. + 9° 306.....	15 32.338	3.1976	+ .012	...	+ 9 32 53.83	16.642	.27	...	5	2.55	414
340†	7.8†	W. B. II. 210.....	16 3.198	3.1830	+ .012	...	+ 8 25 20.00	16.617	.27	...	5	2.17	415
341	7.4	Piazzi II. 63.....	2 16 14.390	+3.1681	+ .011	...	+ 7 17 39.45	+16.608	— .27	...	5	1.74	416
342	8.3†	Lalande 4361.....	16 20.874	3.2829	.016	...	+15 42 18.87	16.602	.28	...	5	3.48	417
343	5.5	69 Ceti.....	16 49.157	3.0715	.008	— .0015	— 0 3 39.91	16.580	.26	— .015	3	0.96	418
344	6.8	Lalande 4380.....	17 2.680	3.2940	.016	...	+16 24 50.70	16.568	.28	...	5	2.14	419
345	8.9†	B. D. + 17° 353.....	17 7.334	3.3162	.017	...	+17 57 7.77	16.565	.28	...	5	3.30	420
346	7.9†	Lalande 4407.....	2 17 52.374	+3.2109	+ .013	...	+10 22 51.51	+16.528	— .27	...	5	1.74	422
347	9.1†	W. B. (2) II. 368.....	18 10.320	3.3625	.019	.0000	+20 57 33.94	16.513	.28	— .08	5	3.49	423†
348	7.8	Lalande 4435.....	18 58.790	3.2774	.015	...	+15 4 17.78	16.472	.28	...	5	1.76	425
349	7.6†	Piazzi II. 75.....	19 9.867	3.1967	.012	...	+ 9 15 41.21	16.463	.27	...	3	0.96	426
350	5.5	24 Arietis..... ⁶	19 27.348	3.2092	.013	+ .0006	+10 9 28.02	16.449	.27	— .022	5	1.94	427*
351	7.7	Lalande 4473.....	2 19 39.763	+2.8852	+ .003	...	—13 44 45.06	+16.438	— .25	...	3	1.95	428
352	8.0†	Lalande 4465.....	20 10.500	3.3491	.018	...	+19 49 47.21	16.412	.29	...	5	3.69	429
353	7.5	Lalande 4471.....	20 11.152	3.2288	.014	— .0079	+11 31 35.62	16.412	.28	— .277	5	2.92	430†
354	8.1†	Lalande 4477.....	20 39.766	3.3292	.017	...	+18 27 17.91	16.388	.29	...	5	3.51	431
355	8.2†	W. B. II. 299.....	21 1.865	3.2426	.014	...	+12 26 53.27	16.369	.28	...	6	1.61	432
356	8.0†	W. B. (2) II. 444....	2 21 18.622	+3.3913	+ .020	+ .002	+22 25 43.70	+16.355	— .29	+ .02	5	3.12	434†
357	6.8	Bradley 341.....	21 23.717	3.2102	.013	+ .0017	+10 6 55.18	16.351	.28	+ .01	3	1.30	435
358	7.3	Lalande 4528.....	22 1.384	3.2977	.016	...	+16 11 42.57	16.320	.29	...	5	2.71	436
359	4.3	73 Ceti..... ²²	22 50.478	3.1821	.012	+ .0025	+ 8 0 42.87	16.278	.28	— .007	13	1.87	437*
360	8.6†	W. B. II. 335.....	23 6.884	3.2589	.015	...	+13 25 47.32	16.264	.28	...	5	3.88	438

333, 338, 347, 356. Proper Motion from *Cape Annals*, VII.
 336, 353. Proper Motion from *Cincinnati Pub.*, 13.

340. 8.2, 9.2 1"4 207° 1898.8.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
361	8.7†	W. B. II. 342	^h 2 ^m 23 ^s 25.860	+3.2843	+0.16	...	+15° 9' 12.00	+16.247	- .29	...	5	3.92	439
362	7.9	W. B. (2) II. 503	23 38.272	3.3755	.019	.000	+21 8 52.55	16.237	.30	- .03	5	2.32	440†
363†	6.3	Lalande 4602	24 14.868	3.1986	.012	...	+ 9 7 8.84	16.205	.28	...	5	1.96	441
364	7.5	Lacaille 756	25 0.330	2.7113	.000	...	-24 33 3.24	16.167	.24	...	3	0.97	443
365	6.2	26 Arietis	25 1.872	3.3509	.018	+ .0043	+19 24 40.75	16.165	.30	- .025	5	1.56	444
366	8.5†	W. B. II. 374	2 25 5.800	+3.2206	+0.13	...	+10 37 3.13	+16.161	- .28	...	5	3.89	445
367	6.4	27 Arietis	25 21.442	3.3184	.017	+ .0029	+17 15 41.23	16.149	.29	- .089	5	2.90	447*
368	7.5	Lalande 4658	25 26.560	2.9963	.006	...	- 5 28 32.27	16.143	.27	...	3	1.63	448
369	8.0†	Lalande 4679	26 42.418	3.3930	.020	- .002	+21 53 30.00	16.078	.30	.00	5	2.33	449†
370	8.2†	Lalande 4689	26 46.184	3.2456	.014	...	+12 14 39.55	16.075	.29	...	5	1.37	450
371	6.1	29 Arietis	2 27 25.450	+3.2809	+0.15	- .0028	+14 35 30.99	+16.041	- .29	+ .036	5	1.36	451
372	6.8	Bradley 355	28 0.982	3.3405	.018	+ .0045	+18 26 20.44	16.009	.30	+ .017	5	2.52	452
373	8.5†	W. B. (2) II. 637	28 57.544	3.4078	.020	- .006	+22 31 46.27	15.959	.31	- .02	5	1.96	454†
374	7.0	Lalande 4759	29 1.838	3.2320	.013	...	+11 9 58.97	15.955	.29	...	6	1.29	455
375	8.4†	Lalande 4792	30 9.056	3.3084	.016	...	+16 10 27.97	15.896	.30	...	5	2.34	456
376	7.4	Lalande 4804	2 30 33.802	+3.2655	+0.14	...	+13 19 6.00	+15.874	- .30	...	5	2.91	457
377	8.0†	Lalande 4808	30 59.632	3.4132	.020	...	+22 36 59.68	15.851	.31	+ .01	5	1.57	458†
378	8.5†	Lalande 4816	31 5.004	3.3745	.019	...	+20 15 55.52	15.846	.31	...	5	2.74	459
379	5.7	31 Arietis	31 10.676	3.2466	.014	+ .0177	+12 0 49.86	15.841	.30	- .075	5	3.53	460
380	6.7	30 Arietis	31 14.462	3.4407	.021	+ .0087	+24 12 43.48	15.838	.31	- .007	5	3.49	461
381	6.1	Piazzi II. 130	2 31 17.106	+3.1772	+0.11	...	+ 7 17 40.03	+15.836	- .29	...	5	3.71	462
382	8.5†	Lalande 4846	32 6.340	3.4166	.020	.000	+22 41 42.85	15.792	.31	- .03	5	3.10	463†
383	5.3	32 Arietis	33 8.165	3.3990	.019	+ .0001	+21 31 44.47	15.736	.31	- .021	12	2.84	466*
384	6.9	Lacaille 803	33 12.997	2.7134	.001	...	-23 25 36.02	15.731	.25	...	3	2.91	467
385	7.3	Lalande 4903	33 30.292	3.2857	.015	...	+14 25 41.98	15.716	.30	...	5	3.89	468
386	8.0†	Lalande 4910	2 33 39.256	+3.1962	+0.12	...	+ 8 29 16.86	+15.708	- .30	...	5	3.95	469
387	6.8	Piazzi II. 140	33 40.266	3.2218	.013	...	+10 12 23.89	15.707	.30	...	5	3.90	470
388	8.0†	Lalande 4926	34 51.555	3.3891	.019	...	+20 45 27.61	15.642	.32	...	2	2.46	471
389	8.1†	Lalande 4935	34 57.616	3.3468	.017	...	+18 10 8.56	15.636	.31	...	5	3.89	472
390	7.7†	Lalande 4938	34 59.600	3.2669	.014	...	+13 5 50.88	15.634	.31	...	5	3.10	473
391	9.0†	W. B. II. 556	2 35 9.098	+3.3006	+0.16	...	+15 15 25.76	+15.626	- .31	...	5	3.92	474
392	7.3	Lalande 4976	35 18.407	2.8203	.003	...	-16 44 18.75	15.618	.27	...	3	2.61	475
393	5.7	34 Arietis	36 43.558	3.3727	.018	+ .0009	+19 35 7.41	15.540	.32	- .037	5	3.10	477†
394	8.4†	Lalande 5000	36 47.254	3.3230	.016	...	+16 31 55.43	15.536	.31	...	5	3.91	478
395	6.3	85 Ceti	37 5.792	3.2263	.013	- .0041	+10 18 55.46	15.519	.30	- .028	5	3.69	479
396	7.4	Lalande 5040	2 37 36.030	+2.8219	+0.03	...	-16 26 54.24	+15.491	- .27	...	3	1.98	480
397	6.5	36 Arietis	38 44.096	3.3388	.017	+ .0024	+17 20 26.61	15.428	.32	- .032	5	2.91	481
398	5.8	37 Arietis	39 2.216	3.2996	.015	- .0013	+14 53 18.89	15.411	.31	- .022	5	3.12	482
399	5.2	38 Arietis	39 30.612	3.2548	.014	+ .0073	+12 1 29.63	15.384	.31	- .069	5	3.89	483
400	4.3	87 Ceti	39 32.185	3.2187	.013	+ .0188	+ 9 41 31.10	15.383	.31	- .025	15	2.75	484*

363. 6.3, 11.2 1"7 139° 1891.7.

362, 369, 373, 377, 382. Proper Motion from *Cape Annals*, VII.
377. $\mu_{\alpha} = .000$ or with Lalande's R.A. + 1", $-\mu_{\delta} .006$.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900+	Ledger 1900-4.
401	8.0†	W. B. II. 635.....	h m s 2 39 33.502	+3.2831	+0.015	...	+13° 48' 55".46	+15".382	-".31	...	5	3.15	485
402	7.8†	Lalande 5099.....	40 9.264	3.3286	0.016	...	+16 35 55.56	15.348	0.32	...	5	2.91	486
403	8.5†	W. B. (2) II. 926 ...	40 43.492	3.3595	0.017	...	+18 25 1.56	15.315	0.32	...	5	3.90	487
404	7.3	Lalande 5134.....	41 31.426	3.4317	0.020	...	+22 32 29.12	15.271	0.33	...	5	2.75	488
405	7.4	Lacaille 865.....	41 42.553	2.6542	0.001	...	-25 45 13.76	15.260	0.26	...	3	2.30	489
406	8.6†	B. D. + 20° 462	2 41 46.468	+3.4038	+0.019	...	+20 55 35.43	+15.257	-".33	...	5	2.72	490
407	8.6†	W. B. (2) II. 958....	41 58.023	3.3787	0.018	...	+19 26 54.62	15.246	0.33	...	3	3.58	491
408	7.7	Lalande 5169.....	42 1.528	3.2081	0.012	...	+ 8 53 24.10	15.242	0.31	...	5	3.34	492
409	8.4†	Lalande 5178.....	42 40.758	3.3823	0.018	...	+19 35 33.10	15.205	0.33	...	5	3.69	493
410	6.0	40 Arietis	42 55.618	3.3534	0.017	+0.0018	+17 52 2.00	15.191	0.33	-0.021	5	2.17	494
411	8.0†	B. D. + 12° 392....	2 44 26.544	+3.2629	+0.014	...	+12 14 29.42	+15.105	-".32	...	5	1.57	496
412	8.0†	Lalande 5244.....	44 43.818	3.2803	0.014	...	+13 17 45.45	15.087	0.32	...	5	3.13	497
413	8.4†	B. D. + 21° 380....	44 50.702	3.4227	0.019	...	+21 42 1.17	15.081	0.34	...	5	3.51	498
414	8.6†	W. B. II. 726.....	44 53.012	3.2467	0.013	...	+11 12 2.85	15.079	0.32	...	5	3.91	499
415	6.6	Lalande 5248.....	45 3.288	3.3714	0.017	...	+18 44 54.08	15.069	0.33	...	5	3.15	500
416	7.4	W. B. II. 742.....	2 45 23.857	+2.9604	+0.006	...	- 7 13 11.21	+15.049	-".29	...	3	2.01	501
417	5.5	43 Arietis	45 58.214	3.3041	0.015	+0.0016	+14 40 12.15	15.016	0.33	-0.034	27	2.72	502*
418	7.8†	Lalande 5333.....	47 20.277	2.9363	0.005	...	- 8 40 39.57	14.937	0.29	...	3	1.62	503
419	6.4	Piazzi II. 203.....	47 37.518	3.3295	0.016	...	+16 4 31.07	14.920	0.33	...	5	2.34	504
420	6.3	Lacaille 903	47 42.233	2.5308	0.000	...	-31 13 41.88	14.915	0.25	...	3	2.01	505
421	7.1	Lalande 5343.....	2 48 36.514	+3.4016	+0.018	...	+20 9 27.69	+14.862	-".34	...	5	2.16	506
422	8.4†	Lalande 5360.....	48 55.494	3.2453	0.013	...	+10 54 7.04	14.843	0.32	...	5	2.53	507
423	9.1†	W. B. II. 805	49 2.270	3.2205	0.012	...	+ 9 21 54.98	14.837	0.32	...	5	3.90	508
424	8.2†	W. B. II. 808	49 9.800	3.2722	0.014	...	+12 31 55.85	14.829	0.33	...	5	1.77	509
425	8.7†	B. D. + 22° 406....	49 54.236	3.4406	0.019	...	+22 11 54.19	14.786	0.35	...	5	3.90	511
426	7.7	W. B. II. 824.....	2 50 9.314	+3.3026	+0.015	...	+14 18 5.27	+14.771	-".33	...	5	2.93	512
427	6.0	45 Arietis	50 11.254	3.3646	0.017	-0.0022	+17 55 35.59	14.769	0.34	-0.005	5	2.01	513
428	5.6	46 Arietis.....	50 47.390	3.3601	0.017	+0.0186	+17 37 27.55	14.734	0.34	-0.189	5	1.57	514
429	6.9	Lalande 5443.....	51 54.176	3.3316	0.016	...	+15 53 31.37	14.667	0.34	...	5	2.16	515
430	7.1	Lalande 5465.....	52 4.607	3.0567	0.008	...	- 0 58 40.13	14.657	0.31	...	3	2.31	516
431	5.8	47 Arietis	2 52 21.740	+3.4095	+0.018	+0.0147	+20 16 3.45	+14.640	-".35	-0.004	5	2.17	517
432	9.5†	B. D. - 22° 517....	52 30.805	2.7064	0.002	...	-21 49 17.87	14.631	0.28	...	2	3.42	518
433†	7.6	Lalande 5468.....	52 47.462	3.4746	0.020	...	+23 43 58.37	14.614	0.35	...	5	2.17	519
434	6.7	Bradley 414.....	53 9.068	3.4281	0.019	+0.0034	+21 13 3.58	14.593	0.35	-0.04	5	3.12	521
435	7.4	Lalande 5487.....	53 15.962	3.2875	0.014	...	+13 12 21.45	14.586	0.33	...	5	3.51	522
436	8.0†	B. D. + 19° 440....	2 53 29.224	+3.3989	+0.018	...	+19 35 25.62	+14.573	-".35	...	5	3.52	523
437†	4.6	48 Arietis.....	53 29.521	3.4236	0.018	-0.0009	+20 56 25.64	14.572	0.35	-0.010	12	3.07	524*
438	5.1	Lalande 5514.....	53 39.753	3.0212	0.007	...	- 3 10 52.43	14.562	0.31	...	4	1.98	525
439	7.4	Lalande 5531.....	54 50.056	3.4535	0.019	...	+22 25 52.09	14.491	0.35	...	5	1.60	526
440†	6.9	50 Arietis.....	54 54.102	3.3655	0.016	-0.0028	+17 36 28.42	14.487	0.35	0.000	5	2.94	527

433. 7.6, 13 4" 3 288° 1899°.

437. 5.1, 5.6 1 1 207 1902°.

440. 7.0, 10.0 1 8 60 1898°.

No.	Mag.	Name.	Mean R.A. 1900 ⁰ .	Procession 1900 ⁰ .	Sec. Var. 1900 ⁰ .	Proper Motion.	Mean Dec. 1900 ⁰ .	Procession 1900 ⁰ .	Sec. Var. 1900 ⁰ .	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
441	6.2	Lalande 5554.....	^h 2 ^m 55 ^s 18.642	+3.2434	+0.13	...	+10° 28' 27.33	+14.462	- .33	...	5	2.18	529
442	7.3	Lalande 5552.....	55 21.772	3.3140	.015	...	+14 38 10.04	14.459	.34	...	5	2.94	530
443	8.4†	W. B. (2) II. 1273...	55 30.842	3.3914	.017	...	+19 0 24.74	14.450	.35	...	5	3.91	531
444	9.0†	Lalande 5608.....	57 16.628	3.3609	.016	...	+17 10 19.71	14.342	.35	...	5	2.92	532
445	6.0	Fornacis.....	57 18.983	2.5658	.001	+ .0208	-28 28 27.78	14.339	.27	- .408	3	1.31	533†
446	7.1	Lalande 5615.....	2 57 40.590	+3.4629	+0.19	...	+22 40 7.21	+14 318	- .36	...	5	1.99	534
447	8.2†	W. B. II. 976	58 1.974	3.3073	.014	...	+14 4 44.94	14.296	.34	...	5	2.97	535
448†	7.2	Lalande 5683.....	58 43.583	2.8834	.005	+ .0004	-11 21 49.82	14.253	.30	- .201	3	1.66	536†
449	6.5	Lalande 5671.....	59 6.686	3.3328	.015	...	+15 28 5.00	14.230	.35	...	5	1.97	537
450†	5.4	52 Arietis	59 34.630	3.5095	.021	- .0021	+24 51 57.64	14.201	.37	- .013	5	2.35	538
451	7.9	Lalande 5687.....	2 59 46.604	+3.4256	+0.18	...	+20 30 49.74	+14.189	- .36	...	5	2.76	539
452	7.3	Lalande 5721.....	3 0 50.170	3.2614	.013	...	+11 16 40.42	14.124	.34	...	5	2.37	541
453	5.8	Lalande 5724.....	0 54.217	3.2879	.014	...	+12 48 5.25	14.119	.35	...	12	2.63	542
454	6.0	53 Arietis.....	1 47.770	3.3724	.016	- .0032	+17 29 38.89	14.063	.36	+ .009	5	2.18	543
455	7.8†	Lalande 5746.....	2 2.646	3.4830	.020	...	+23 18 14.65	14.048	.37	...	5	3.51	545
456	7.1	Lalande 5776.....	3 2 8.990	+3.0359	+0.08	...	- 2 11 16.78	+14.042	- .32	...	3	2.01	546
457	6.5	54 Arietis.....	2 40.936	3.3905	.017	- .0005	+18 24 40.88	14.008	.36	- .008	5	1.58	548
458	8.0†	Lalande 5791.....	3 10.238	3.3283	.015	...	+14 57 23.81	13.978	.35	...	5	2.80	549
459	6.7	Mayer 105	3 35.942	3.4289	.018	+ .002	+20 22 43.97	13.951	.37	+ .03	5	2.18	550
460	7.7†	Lalande 5849.....	4 53.912	3.4527	.018	...	+21 30 52.64	13.869	.37	...	5	1.79	552
461	8.9†	B. D. + 13° 519 ...	3 5 14.078	+3.3126	+0.14	...	+13 57 51.49	+13.848	- .36	...	5	3.91	553
462	7.3	Lalande 5891.....	5 28.670	3.0695	.008	...	- 0 9 59.08	13.832	.33	...	3	2.00	554
463	6.6	Piazzi III. 4.....	5 52.302	3.2901	.014	...	+12 40 7.17	13.808	.35	...	5	3.54	555
464	4.5	57 Arietis	5 54.580	3.4126	.017	+ .0110	+19 20 54.94	13.805	.37	+ .001	15 : 17	2.63 : 2.56	556*
465	7.3	Lalande 5921.....	6 48.766	3.3538	.015	...	+16 8 25.18	13.747	.36	...	5	1.97	557
466	8.1†	B. D. + 23° 423.....	3 8 9.890	+3.5055	+0.20	...	+23 53 28.15	+13.661	- .38	...	5 : 4	2.40 : 2.27	558
467	6.7	Lalande 5953.....	8 13.732	3.4016	.017	...	+18 35 55.82	13.657	.37	...	5	2.00	560
468	6.9	Lalande 5961.....	8 27.774	3.4794	.019	...	+22 34 48.64	13.642	.38	...	5	2.54	561
469	8.7†	B. D. - 19° 630.....	8 30.815	2.7367	.003	...	-18 54 56.23	13.639	.30	...	2	2.46	562
470	7.3	Lalande 5972.....	8 33.606	3.3388	.015	...	+15 13 0.88	13.636	.36	...	5	3.12	564
471	8.8†	B. D. + 17° 517....	3 9 6.784	+3.3848	+0.16	...	+17 39 20.68	+13.600	- .37	...	5	3.92	566
472	4.8	58 Arietis	9 9 10.8	3.4428	.018	- .0019	+20 40 25.99	13.598	.37	- .082	5	2.99	567*
473	8.3†	Lalande 6027.....	10 34.266	3.2689	.013	...	+11 15 30.01	13.507	.36	...	5	1.56	568
474	9.0†	B. D. + 22° 466....	11 8.143	3.4816	.019	...	+22 27 54.17	13.470	.38	...	3	2.01	570
475	9.1†	W. B. (2) III. 190..	11 37.120	3.4712	.018	...	+21 54 55.48	13.439	.38	...	5	2.93	571
476	7.5	Lalande 6065.....	3 12 0.367	+3.4830	+0.19	...	+22 27 57.93	+13.414	- .38	...	3	1.96	572
477	9.0†	B. D. - 20° 609....	12 5.705	2.6987	.003	...	-20 36 12.38	13.407	.30	...	2	2.98	573
478*	8.2†	Lalande 6071.....	12 10.544	3.5255	.020	...	+24 30 43.81	13.402	.39	...	5	2.14	574
479	7.4	Lalande 6088.....	12 20.682	3.3107	.014	...	+13 28 49.34	13.391	.37	...	5	2.40	575
480*	7.7	Lalande 6106.....	12 52.694	3.3359	.014	- .0034	+14 49 8.86	13.356	.37	- .302	5	2.40	576†

448. 7.2, 11.2 1'' 2 299° 1898.7.

450. 6.2, 6.2 0.5 90 1867.

478. H. C. O. 7.6; Potsdam 8.1; Cape 8.2 mag.

480. 1902 Jan. 6, 9.0 mag.

445, 448, 480. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
481	7.1	Lalande 6123.....	^h 3 ^m 13 ^s 10.207	+2.8819	+0.005	...	-10° 48' 29".40	+13".338	-".32	...	3	1.32	578
482	8.5†	W. B. III. 192.....	13 44.198	3.2865	.013	...	+12 5 16.23	13.301	.36	...	5	2.54	580
483	8.8†	B. D. - 19° 650.....	13 48.390	2.7282	.003	...	-18 58 50.04	13.295	.30	...	2	3.96	581
484	5.9	Lacaille 1052.....	13 49.947	2.5141	.002	...	-29 9 43.76	13.294	.28	...	3	1.97	582
485	7.3	Piazzi III. 33.....	14 5.712	3.4115	.016	...	+18 42 46.33	13.277	.38	...	5	2.96	583
486	8.5†	W. B. (2) III. 246...	3 14 7.650	+3.4350	+0.017	...	+19 54 49.77	+13.275	-".38	...	5	3.91	584
487	8.0†	Lalande 6129.....	14 20.078	3.3813	.016	...	+17 8 11.47	13.262	.38	...	5	2.78	585
488†	7.4	Lalande 6127.....	14 29.594	3.5048	.019	...	+23 19 41.48	13.251	.39	...	5	2.98	586
489	5.1	61 Arietis.....	15 27.133	3.4544	.017	+0.0023	+20 47 11.81	13.188	.39	-0.033	28 : 29	3.02	589*
490	5.2	63 Arietis.....	16 59.858	3.4485	.017	-0.0043	+20 23 4.05	13.086	.39	-0.007	5	1.38	592
491	5.7	Lacaille 1067.....	3 17 1.943	+2.6216	+0.002	...	-23 59 37.78	+13.084	-".30	...	3	2.01	593
492	7.3	Lalande 6251.....	17 19.777	2.7851	.004	...	-15 49 2.57	13.064	.31	...	3	1.97	594
493	8.0†	Lalande 6237.....	17 41.424	3.3674	.015	...	+16 12 34.81	13.040	.38	...	5	3.70	595
494	7.2	B. D. + 19° 523.....	18 16.592	3.4336	.017	...	+19 33 3.63	13.000	.39	...	5	3.36	596
495	5.8	64 Arietis.....	18 24.048	3.5334	.019	-0.0004	+24 22 11.97	12.993	.40	-0.046	5	3.56	597
496	6.2	Lalande 6268.....	3 18 39.870	+3.2940	+0.013	...	+12 16 29.09	+12.975	-".37	...	5	3.75	599
497	6.0	65 Arietis.....	18 40.034	3.4521	.017	-0.0003	+20 26 55.26	12.975	.39	+0.001	5	3.54	600
498	6.9	Lalande 6262.....	18 45.686	3.4776	.018	...	+21 41 9.48	12.967	.39	...	5	1.80	601
499	8.3†	Lalande 6279.....	19 10.064	3.3386	.014	...	+14 37 11.38	12.942	.38	...	5	2.14	602
500	8.7†	Lalande 6288.....	19 43.776	3.3927	.015	...	+17 23 34.12	12.904	.38	...	5	3.13	603
501	8.0†	Lalande 6299.....	3 19 51.132	+3.3224	+0.014	...	+13 44 4.18	+12.896	-".38	...	5	2.99	604
502	6.5	Piazzi III. 60.....	21 20.636	3.4147	.016	...	+18 24 23.96	12.795	.39	...	5	1.36	606
503	8.2†	Lalande 6350.....	21 55.914	3.5277	.019	...	+23 50 3.21	12.756	.40	...	5	2.20	607
504†	6.1	66 Arietis.....	22 35.704	3.4996	.018	-0.0008	+22 27 33.92	12.711	.40	-0.120	5	2.20	608
505	7.2	Lalande 6389.....	23 1.796	3.4546	.017	...	+20 16 37.76	12.682	.40	...	5	2.57	610
506	7.3	Lalande 6402.....	3 23 23.340	+3.3433	+0.014	...	+14 39 3.39	+12.658	-".38	...	5	1.37	611
507	7.0	Mayer 116.....	24 3.800	3.3784	.015	+0.001	+16 25 4.39	12.611	.39	-0.01	5	2.18	612
508	8.3†	Lalande 6436.....	24 43.868	3.4464	.016	+0.0137	+19 45 39.96	12.566	.40	-0.063	5	3.18	613†
509	8.0†	Lalande 6453.....	25 19.098	3.5570	.020	...	+24 54 51.97	12.526	.41	...	5	2.40	614
510	4.3	5 Tauri.....	25 21.061	3.3055	.013	+0.0016	+12 35 38.54	12.524	.38	+0.002	16 : 17	2.22 : 2.15	615*
511	8.8†	B. D. + 21° 474....	3 25 38.948	+3.4834	+0.017	...	+21 28 53.39	+12.503	-".40	...	5	3.97	616
512	7.2	W. B. (2) III. 476...	25 40.040	3.4036	.015	...	+17 35 46.66	12.502	.39	...	5	2.18	617
513	7.8†	Piazzi III. 78.....	26 7.030	3.5231	.019	...	+23 18 23.89	12.471	.41	...	5	3.01	618
514	8.7†	W. B. III. 436.....	27 16.932	3.3579	.014	...	+15 12 33.89	12.391	.39	...	5	1.77	619
515	7.3	W. B. III. 447.....	27 48.220	3.3239	.013	...	+13 26 42.25	12.356	.39	...	5	1.81	621
516	6.4	Mayer 120.....	3 28 26.463	+3.4050	+0.015	+0.006	+17 30 17.69	+12.312	-".40	-".32	3	1.61	622
517	5.9	7 Tauri.....	28 31.094	3.5449	.019	.0000	+24 7 43.82	12.306	.41	-0.035	5	2.58	623
518	7.9	Piazzi III. 90.....	29 34.760	3.4280	.016	...	+18 34 11.74	12.233	.40	...	5	1.36	624
519	7.6	Piazzi III. 93.....	30 37.510	3.4535	.016	...	+19 44 12.46	12.160	.41	...	5	1.77	625
520	6.7	9 Tauri.....	31 5.114	3.5213	.018	-0.0023	+22 52 49.92	12.128	.41	-0.040	5	1.78	628

488. 7.4, 10.0 2" 2 314° 1868.
504. 6.1, 12.0 1 1 74 1897.9.

508. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
521	8·0†	Lalande 6655.....	^h ^m ^s 3 31 47·800	^s +3·5457	^s +·018	...	+23° 55' 50·82	+12·078	-·42	...	5	2·15	629
522	6·5	Mayer 121.....	32 10·946	3·3605	·014	+·001	+15 6 7·04	12·052	·40	-·03	5	2·19	630
523	6·6	Lalande 6670.....	32 48·516	3·5119	·017	...	+22 19 59·14	12·007	·41	...	5	1·55	631
524	6·5	Lalande 6686.....	33 11·760	3·4748	·016	...	+20 35 22·20	11·981	·41	...	5	2·57	632
525	6·9	Lalande 6708.....	33 43·168	3·3313	·013	·0000	+13 34 3·75	11·944	·39	-·107	5	2·18	633†
526	6·3	Piazzi III. 103.....	3 33 46·315	+3·3844	+·014	...	+16 12 41·05	+11·941	-·40	...	12	3·34	634
527	8·4†	Lalande 6703.....	33 49·322	3·4225	·015	+·015	+18 3 50·86	11·936	·41	-·21	5	3·36	635†
528	6·2	11 Tauri.....	34 47·796	3·5747	·019	+·0014	+25 0 21·90	11·868	·43	-·008	5	1·55	636*
529	5·6	13 Tauri.....	36 32·813	3·4533	·016	-·0013	+19 22 48·17	11·744	·41	-·007	12	2·14	638
530	8·5†	W. B. III. 637.....	36 36·326	3·3519	·013	...	+14 28 17·52	11·741	·40	...	5	2·61	639
531	7·2	Piazzi III. 120.....	3 36 56·660	+3·4034	+·014	...	+16 58 21·72	+11·716	-·41	...	5	1·95	640
532	6·3	14 Tauri.....	38 0·188	3·4543	·016	+·0073	+19 20 55·87	11·641	·42	-·034	5	2·19	642
533	6·1	Piazzi III. 128.....	38 38·994	3·4825	·016	...	+20 36 45·37	11·595	·42	...	5	2·15	643
534	5·4	16 Tauri.....	38 51·406	3·5574	·018	+·0006	+23 58 29·72	11·581	·43	-·055	5	2·41	644
535	3·8	17 Tauri.....	38 56·150	3·5536	·018	+·0016	+23 47 56·51	11·574	·43	-·050	13 : 12	2·45 : 2·41	645*
536	5·6	18 Tauri.....	3 39 11·632	+3·5705	+·018	-·0011	+24 31 31·93	+11·556	-·43	-·05	5	3·16	646
537	4·3	19 Tauri.....	39 15·296	3·5621	·018	-·0008	+24 9 12·09	11·552	·43	-·039	5	2·60	647
538	8·2†	W. B. (2) III. 828...	39 46·622	3·5228	·017	...	+22 22 54·12	11·514	·42	...	5	4·00	648
539	4·1	20 Tauri.....	39 52·476	3·5608	·018	+·0003	+24 3 18·80	11·508	·43	-·036	5	2·61	649
540	8·4†	W. B. (2) III. 832...	39 58·305	3·6006	·019	...	+25 45 48·57	11·501	·43	...	2	4·05	651
541	8·2†	Lalande 6915.....	3 39 59·575	+3·5848	+·018	...	+25 5 11·12	+11·498	-·43	...	2	3·99	652
542	8·7†	W. B. (2) III. 849...	40 16·894	3·4337	·015	...	+18 15 13·54	11·478	·41	...	5	3·61	653
543	4·3	23 Tauri.....	40 23·390	3·5519	·018	-·0005	+23 38 12·47	11·471	·43	-·042	5	1·97	654
544	8·5†	W. B. (2) III. 850...	40 34·140	3·5961	·019	...	+25 31 58·35	11·458	·44	...	3	2·36	656
545	6·8	Lalande 6954.....	40 52·496	3·3297	·013	...	+13 11 51·36	11·436	·40	...	5	1·97	657
546	8·5†	Lalande 6940.....	3 40 56·860	+3·5918	+·019	...	+25 19 29·15	+11·430	-·43	...	3	3·60	658
547	2·9	25 Tauri.....	41 32·315	3·5574	·018	+·0016	+23 47 45·84	11·388	·43	-·050	17	2·59	659*
548	8·5†	Lalande 6983.....	41 53·946	3·3963	·014	...	+16 23 45·37	11·362	·41	...	5	3·02	660
549	8·4†	B. D. + 21° 526.....	42 24·553	3·5194	·017	...	+22 4 12·86	11·325	·43	...	3	2·03	662
550	6·6	26 Tauri.....	43 0·353	3·5538	·017	+·0007	+23 33 4·62	11·282	·43	-·06	3	1·61	663
551	8·5†	W. B. (2) III. 901...	3 43 1·036	+3·3724	+·013	...	+15 11 51·94	+11·281	-·41	...	5	2·59	665
552	3·7	27 Tauri.....	43 12·874	3·5586	·017	+·0013	+23 44 51·31	11·267	·43	-·048	5	1·83	667*
553	5·2	28 Tauri.....	43 14·124	3·5606	·018	-·0013	+23 49 51·10	11·266	·43	-·057	5	2·54	668
554	6·1	Piazzi III. 163.....	43 47·427	3·5517	·017	...	+23 24 26·38	11·226	·43	...	3	1·69	669
555	8·5†	W. B. (2) III. 915...	43 57·150	3·4943	·016	...	+20 51 17·25	11·214	·43	...	5	3·79	670
556†	6·8	Piazzi III. 165.....	3 44 1·570	+3·5551	+·017	...	+23 32 40·29	+11·208	-·43	...	3	1·63	671
557	5·9	Piazzi III. 166.....	44 2·248	3·5187	·017	...	+21 56 23·80	11·208	·43	...	5	2·82	672
558	8·5†	W. B. (2) III. 921...	44 8·196	3·4597	·015	...	+19 15 41·94	11·200	·42	...	5	4·01	673
559	5·3	Piazzi III. 170.....	44 18·106	3·5959	·018	+·0029	+25 16 38·75	11·188	·44	-·117	5	3·38	674†
560	6·8	Lalande 7102.....	45 44·128	3·5161	·016	...	+21 43 48·87	11·084	·43	...	5	1·57	675

556. 6·8, 9·7 3''·4 239°.

525. Proper Motion from *Cincinnati Pub.*, 13.
527, 559. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epooh 1900 +	Ledger 1900-4.
561	8.0†	Lalande 7135	^h 3 ^m 46 ^s 38.378	+3.4416	+0.14	...	+18° 17' 54".42	+11.018	-".42	...	5	1.77	676
562	8.0	W. B. III. 860	47 19.556	3.3529	.013	...	+14 5 0.22	10.967	.41	...	5	2.40	677
563	8.5†	W. B. (2) III. 983...	47 25.942	3.5433	.017	...	+22 49 31.07	10.960	.44	...	5	4.02	678
564	5.9	Mayer 136	47 26.862	3.4151	.014	+ .010	+17 1 44.99	10.959	.42	- .02	12	2.82	679
565	7.2	Lalande 7158	47 33.052	3.6034	.018	...	+25 23 8.41	10.951	.44	...	5	3.63	680
566	9.0†	B. D. - 19° 759	3 47 38.210	+2.6895	+0.04	...	-18 52 30.38	+10.945	- .33	...	2	2.99	681
567	8.5†	W. B. III. 878	48 10.874	3.3705	.013	...	+14 53 15.25	10.905	.42	...	5	3.58	682
568	6.9	Lalande 7193	48 45.692	3.4014	.013	+ .0144	+16 19 29.05	10.862	.42	- .183	5	1.78	683†
569	6.8	Lacaille 1271	49 38.427	2.5845	.003	+ .0237	-23 25 27.32	10.798	.32	- .298	3	1.01	685†
570	5.8	32 Tauri	50 57.446	3.5333	.016	+ .004	+22 11 23.85	10.701	.44	- .11	5	1.95	686
571	8.6†	B. D. + 19° 625	3 51 4.083	+3.4791	+0.15	...	+19 47 34.60	+10.692	- .43	...	4	2.26	687
572	6.0	33 Tauri	51 7.994	3.5496	.016	+ .0045	+22 53 6.50	10.687	.44	- .02	5	1.64	688
573	8.5†	W. B. (2) III. 1059..	51 15.702	3.4519	.014	...	+18 32 58.62	10.678	.43	...	5	3.58	689
574	7.0	Lalande 7266	51 19.832	3.5073	.016	...	+21 2 0.05	10.673	.44	...	5	3.02	690
575	6.4	W. B. (2) III. 1060..	51 27.540	3.5802	.017	...	+24 10 19.60	10.664	.45	...	5	2.00	691
576	7.4	Lalande 7312	3 52 59.602	+3.6492	+0.19	...	+26 54 39.80	+10.549	- .46	...	5	1.59	693
577	7.3	Lalande 7364	53 44.180	3.3497	.012	...	+13 41 27.20	10.494	.42	...	5	1.18	694
578	6.3	Piazzi III. 214	54 54.034	3.4218	.013	...	+17 0 51.82	10.407	.43	...	5	1.80	695
579†	6.8	Bradley 545	55 0.362	3.5554	.016	- .0011	+22 55 10.57	10.400	.45	- .016	5	2.99	696
580	5.8	Piazzi III. 215	55 3.066	3.4416	.014	...	+17 54 43.02	10.396	.43	...	5	2.04	697
581	7.7†	Lalande 7402	3 55 5.926	+3.3826	+0.13	...	+15 11 36.50	+10.392	- .43	...	5	2.63	698
582	6.9	Bradley 547	55 17.374	3.4867	.015	- .0009	+19 55 9.20	10.378	.44	- .03	5	3.00	700
583	8.9†	Lalande 7411	55 52.286	3.6220	.018	...	+25 38 36.50	10.335	.46	...	5	3.38	701
584	5.6	36 Tauri	58 22.738	3.5814	.016	- .0005	+23 49 50.78	10.146	.46	- .010	5	2.01	702
585	4.5	37 Tauri	58 46.930	3.5340	.015	+ .0070	+21 48 31.46	10.116	.45	- .058	27 : 28	2.34 : 2.37	703*
586	6.8	Lalande 7524	3 58 56.054	+3.4306	+0.13	...	+17 14 33.85	+10.104	- .44	...	5	2.19	704
587	6.1	39 Tauri	3 59 25.004	3.5331	.015	- .0016	+21 44 20.39	10.068	.45	- .155	5	3.05	706
588	8.3†	B. D. + 19° 658	3 59 47.346	3.4861	.014	...	+19 40 55.81	10.040	.45	...	5	3.04	707
589	7.5	Lalande 7547	4 0 0.462	3.6353	.017	...	+25 56 25.74	10.023	.46	...	5	2.02	708
590	5.3	41 Tauri	4 0 28.238	3.6711	.018	+ .0009	+27 19 48.93	9.988	.47	- .061	5	1.58	709
591	7.6	W. B. (2) III. 1254..	4 0 49.590	+3.4690	+0.14	...	+18 52 50.44	+ 9.960	- .44	...	5	1.44	710
592	9.0†	Lalande 7617	1 15.794	3.5178	.015	...	+20 59 36.46	9.927	.45	...	5	3.40	711
593	5.9	B. D. + 14° 657	2 2.372	3.3817	.012	...	+14 53 42.32	9.869	.43	...	5	3.02	712
594	9.2†	O. A. 2811	2 11.957	2.6232	.004	...	-21 6 3.91	9.856	.34	...	3	2.33	713
595	7.5	Lalande 7646	2 12.890	3.4118	.013	...	+16 15 47.07	9.855	.44	...	5	1.79	714
596†	6.1	Piazzi III. 249	4 2 15.758	+3.4298	+0.13	...	+17 4 21.51	+ 9.851	- .44	...	5	3.42	715
597	7.0	Lalande 7661	2 52.438	3.5817	.016	...	+23 36 19.22	9.805	.46	...	5	1.64	716
598†	7.7	Lalande 7664	2 56.340	3.5632	.015	...	+22 49 59.99	9.800	.46	...	5	3.58	717
599	5.5	43 Tauri	3 20.365	3.4821	.014	+ .0079	+19 20 41.57	9.770	.45	- .044	17 : 18	2.02 : 2.03	718*
600†	7.1	Lacaille 1367	4 26.030	2.3089	.003	...	-33 7 21.14	9.686	.30	...	3	2.68	719

579. 6.8, 7.7 7" 2 128° 1866.5.
 596. 6.1, 9.2 4 .5 327 1898.8.
 598. 7.5, 7.7 5 .1 187 1867.3.
 600. 7.9, 7.9 0 .8 339 1900.5.

568. Proper Motion from *Cincinnati Pub.*, 14.
 569. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
601	8.9†	W. B. (2) IV. 2.....	^h 4 ^m 4 ^s 32.944	+3.6206	+0.16	...	+25° 6' 1.84	+9.677	- .47	...	5	3.41	720
602	5.5	44 Tauri..... ^p	4 44.278	3.6490	.017	- .0024	+26 13 11.81	9.663	.47	- .042	4	1.97	721*
603	6.6	Lalande 7738.....	4 55.216	3.4566	.013	...	+18 9 43.95	9.649	.45	...	5	2.02	722
604	7.2	Lalande 7753.....	5 14.424	3.4016	.012	...	+15 41 8.14	9.624	.44	...	5	2.42	723
605	7.0	Piazzi III. 261.....	5 21.057	3.4171	.012	...	+16 23 9.28	9.615	.44	...	3	1.06	724
606	9.0†	B. D. + 24° 631.....	4 5 51.067	+3.6093	+0.16	...	+24 34 41.29	+9.577	- .47	...	3	3.32	725
607	6.0	Lalande 7819.....	5 58.765	2.8846	.005	...	- 9 4 49.70	9.567	.37	...	6	2.53	726
608	8.7†	Lalande 7767.....	6 0.350	3.6029	.016	...	+24 18 35.57	9.566	.47	...	3	3.04	727
609	8.7†	W. B. (2) IV. 41.....	6 17.418	3.5300	.014	...	+21 16 38.22	9.542	.46	...	5	3.79	728
610	6.2	Lalande 7813.....	6 47.120	3.4325	.013	...	+17 1 12.19	9.505	.44	...	5	1.80	729
611	6.1	Piazzi IV. 6.....	4 6 55.387	+3.5516	+0.15	...	+22 9 22.69	+9.495	- .46	...	6	1.85	730
612	8.5†	Lalande 7849.....	8 21.278	3.6924	.017	...	+27 42 21.68	9.384	.48	...	5	2.37	731
613	7.0	Lalande 7859.....	8 27.200	3.5845	.015	...	+23 26 33.43	9.377	.47	...	5	1.82	732
614	8.6†	W. B. (2) IV. 103...	8 31.534	3.4867	.013	...	+19 19 37.24	9.370	.45	...	5	1.45	733
615	6.3	48 Tauri.....	10 5.578	3.3933	.012	+ .0074	+15 9 1.50	9.249	.44	- .010	5	1.57	734
616	4.5	40 Eridani..... ^{o2}	4 10 39.845	+2.9096	+0.06	- .1483	- 7 48 38.21	+9.205	- .38	- 3.435	9	2.26	735*
617	4.8	50 Tauri..... ^o	11 23.996	3.5130	.013	- .0039	+20 19 57.01	9.148	.46	- .038	5	1.22	736
618	8.0†	W. B. (2) IV. 183...	12 14.436	3.4597	.012	...	+18 0 41.84	9.083	.45	...	5	1.39	737
619†	7.5	Lalande 7999.....	12 17.140	3.5673	.014	...	+22 33 42.19	9.079	.47	...	5	3.02	738
620	8.7†	Lalande 8001.....	12 24.866	3.6220	.015	...	+24 45 31.16	9.069	.48	...	5	2.25	739
621	5.6	51 Tauri.....	4 12 28.014	+3.5379	+0.14	+ .0059	+21 20 5.44	+9.065	- .46	- .029	5	2.21	740
622	5.3	53 Tauri.....	13 32.366	3.5285	.014	- .0002	+20 54 2.06	8.981	.46	- .038	5	2.21	743
623	5.2	56 Tauri.....	13 41.452	3.5439	.014	+ .0007	+21 31 54.71	8.970	.47	- .033	5	2.06	745
624	3.9	54 Tauri..... ^γ	14 6.095	3.4015	.011	+ .0083	+15 23 10.32	8.937	.45	- .026	11 : 12	2.11 : 2.19	746*
625	8.8†	B. D. - 21° 832.....	14 6.250	2.6133	.004	...	-20 59 31.12	8.937	.35	...	2	4.05	747
626	6.9	55 Tauri.....	4 14 11.310	+3.4217	+0.12	+ .0071	+16 16 53.42	+8.930	- .45	- .03	5	2.79	748
627	5.0	52 Tauri..... ^φ	14 12.125	3.6850	.016	- .0019	+27 6 41.29	8.929	.48	- .066	11	3.54	749
628	7.8†	W. B. (2) IV. 243....	14 24.990	3.6455	.016	...	+25 35 13.17	8.912	.48	...	2	3.06	750
629	6.0	W. B. (2) IV. 248....	14 36.426	3.4731	.013	...	+18 30 10.17	8.898	.46	...	5	3.38	751
630	5.4	58 Tauri.....	14 56.038	3.3901	.011	+ .0058	+14 51 20.54	8.872	.45	- .013	5	2.21	752
631	6.5	Lalande 8154.....	4 15 44.187	+2.9359	+0.06	...	- 6 29 2.07	+8.809	- .39	...	7	2.01	753
632†	6.1	Piazzi IV. 53.....	16 29.684	3.5239	.013	...	+20 35 4.98	8.749	.47	...	5	2.81	754
633	5.3	59 Tauri..... ^χ	16 29.750	3.6432	.015	+ .0017	+25 23 36.39	8.749	.48	- .028	5	1.41	755
634	3.9	61 Tauri..... ^δ	17 10.031	3.4476	.012	+ .0076	+17 18 28.92	8.696	.46	- .030	23 : 24	2.90 : 2.82	757*
635	5.9	Piazzi IV. 61.....	17 38.706	3.5289	.013	...	+20 44 56.23	8.658	.47	...	5	1.81	758
636	5.7	63 Tauri.....	4 17 40.744	+3.4304	+0.12	+ .0057	+16 32 37.04	+8.655	- .46	- .032	5	2.82	759
637	8.5†	Lalande 8202.....	17 55.890	3.6111	.014	...	+24 4 15.32	8.636	.48	...	3	2.01	760
638	6.2	62 Tauri.....	17 57.876	3.6111	.014	- .0002	+24 4 4.51	8.633	.48	- .020	5	2.61	761
639	4.9	64 Tauri.....	18 19.792	3.4462	.012	+ .0072	+17 12 43.73	8.604	.46	- .020	5	1.82	762
640	8.3†	W. B. (2) IV. 346...	19 4.728	3.6495	.015	...	+25 31 8.65	8.545	.49	...	5	1.62	763

619. 8.3, 8.3 1'' 2 108° 1876.1.
632. 6.1, 10.0 2 .0 169 1891.8.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
641	6.0	Bradley 3231.....	^h 4 ^m 19 ^s 7.348	+3.4842	+0.12	+0.0097	+18° 48' 43".26	+8.542	-".46	"00	5	3.04	764
642	4.1	65 Tauri.....	19 24.484	3.5627	.014	+0.0040	+22 3 53.49	8.520	.47	-0.054	5	2.62	765
643	5.4	67 Tauri.....	19 27.534	3.5605	.014	+0.0086	+21 58 16.79	8.514	.47	-0.051	5	2.01	766
644	4.3	68 Tauri.....	19 42.226	3.4586	.012	+0.0078	+17 41 57.33	8.496	.46	-0.031	5	3.06	768*
645	4.2	69 Tauri.....	20 19.350	3.5765	.014	+0.0068	+22 35 11.96	8.447	.48	-0.034	5	1.58	769
646	7.5	Piazzi IV. 76.....	4 20 22.760	+3.5435	+0.13	...	+21 14 36.88	+8.442	-".47	...	3	3.06	770
647	4.6	71 Tauri.....	20 38.844	3.4062	.11	+0.0067	+15 23 28.54	8.421	.46	-0.014	5	3.02	771
648	5.0	73 Tauri.....	20 57.330	3.3859	.011	-0.0008	+14 29 15.56	8.397	.45	-0.023	5	1.62	772
649	5.4	72 Tauri.....	21 18.558	3.5821	.014	-0.0010	+22 46 15.26	8.368	.48	-0.003	5	2.86	773
650	5.8	Piazzi IV. 82.....	22 4.546	3.5488	.013	...	+21 23 47.99	8.308	.47	...	5	2.79	774
651	5.2	75 Tauri.....	4 22 43.310	+3.4247	+0.11	-0.0004	+16 8 9.75	+8.256	-".46	+0.025	5	2.82	775
652	3.5	74 Tauri.....	22 46.605	3.4908	.012	+0.0082	+18 57 31.21	8.251	.47	-0.034	11	2.56	776*
653	8.3†	B. D. + 20° 761....	22 48.852	3.5266	.013	...	+20 27 18.09	8.248	.47	...	5	3.27	777
654	4.2	77 Tauri.....	22 51.708	3.4157	.011	+0.0048	+15 44 24.52	8.244	.46	-0.015	5	3.42	778
655	3.6	78 Tauri.....	22 57.114	3.4137	.011	+0.0064	+15 38 56.51	8.238	.46	-0.003	5	3.41	779
656	6.6	Lalande 8396.....	4 23 9.138	+3.6983	+0.15	...	+27 10 59.95	+8.222	-".50	...	5	3.61	780
657	6.6	Lalande 8411.....	23 16.472	3.4204	.011	+0.0104	+15 56 15.97	8.212	.46	-0.045	5	2.96	781†
658	6.6	Lalande 8418.....	24 6.368	3.7192	.016	...	+27 54 40.40	8.146	.50	...	5	2.83	782
659	7.1	Lalande 8434.....	24 21.638	3.6002	.014	...	+23 22 11.33	8.124	.48	...	5	3.01	783
660†	5.8	80 Tauri.....	24 26.433	3.4093	.011	+0.0059	+15 25 10.60	8.119	.46	-0.011	6	2.89	784*
661	4.8	Bradley 619.....	4 24 50.148	+3.4224	+0.11	+0.0073	+15 58 34.89	+8.087	-".46	-0.020	5	2.42	785
662	5.5	81 Tauri.....	24 56.546	3.4109	.011	+0.0069	+15 28 27.23	8.078	.46	-0.018	5	3.03	786
663	6.0	85 Tauri.....	26 8.986	3.4155	.011	+0.0058	+15 38 13.03	7.982	.46	-0.026	5	2.22	787
664	7.3	Lalande 8506.....	26 16.790	3.6434	.014	...	+24 58 17.92	7.971	.49	...	5	1.23	788
665	5.8	Piazzi IV. 111.....	28 22.466	3.7477	.016	...	+28 45 7.08	7.803	.51	...	5	1.02	790
666	6.8	Lalande 8591.....	4 28 46.296	+3.5822	+0.13	...	+22 29 2.18	+7.771	-".48	...	5	1.24	791
667	8.5†	Lalande 8596.....	28 51.770	3.5427	.012	...	+20 53 43.42	7.763	.48	...	5	2.02	792
668	8.0†	Lalande 8599.....	28 55.056	3.4618	.011	...	+17 32 24.38	7.759	.47	...	5	2.83	794
669	6.4	Mayer 171.....	29 50.746	3.5137	.012	-0.002	+19 40 31.02	7.684	.48	-0.01	5	1.62	795
670	9.4†	B. D. - 20° 879....	30 10.835	2.6110	.004	...	-20 28 47.12	7.657	.36	...	2	1.53	797
671	1.1	87 Tauri.....	4 30 10.924	+3.4336	+0.11	+0.0047	+16 18 29.39	+7.657	-".47	-0.189	12	3.31	798*
672	6.0	Lalande 8643.....	30 27.724	3.6003	.013	+0.0080	+23 8 13.35	7.634	.49	-0.025	5	1.43	799†
673	8.6†	B. D. + 26° 730....	30 35.786	3.7002	.014	...	+26 55 52.58	7.623	.50	...	5	3.25	800
674	7.4	W. B. (2) IV. 606...	30 56.250	3.7223	.015	...	+27 43 18.88	7.596	.51	...	5	2.41	801
675	7.6	Lalande 8666.....	31 17.412	3.6633	.014	...	+25 31 29.37	7.568	.50	...	5	2.64	802
676	6.6	Lalande 8678.....	4 31 25.972	+3.4827	+0.11	...	+18 20 23.53	+7.556	-".47	...	5	1.64	803
677	5.8	Lalande 8705.....	32 21.812	3.5355	.012	...	+20 29 1.50	7.480	.48	...	5	1.81	804
678	5.8	89 Tauri.....	32 25.924	3.4241	.010	+0.0054	+15 49 58.16	7.475	.47	-0.011	5	2.66	805
679	6.3	Lalande 8726.....	33 17.178	3.6519	.013	...	+25 1 11.17	7.405	.50	...	5	2.65	806
680	5.2	91 Tauri.....	33 26.550	3.4192	.010	+0.0009	+15 36 10.79	7.392	.47	-0.066	5	3.07	808

660. 5.9, 8.5 1" 3 15° 1874.1.

657. Proper Motion from *Cincinnati Pub.*, 14.
672. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R. A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
681	4·9	92 Tauri	^h 4 ^m 33 ^s 33·246	^s +3·4220	^s +·010	^s +·0050	+15° 43' 11·18	+7·384	-·47	-·022	5	3·25	809
682	8·5†	Lalande 8761	34 5·764	3·4595	·010	...	+17 17 30·92	7·339	·47	...	5	2·44	810
683	5·7	Piazzi IV. 148.....	35 4·134	3·7465	·014	...	+28 25 16·05	7·260	·51	...	5	2·62	812
684	8·8†	W. B. (2) IV. 727...	36 3·052	3·5592	·012	...	+21 18 58·73	7·180	·49	...	5	3·07	813
685	4·3	94 Tauri	36 14·514	3·5961	·012	+·0007	+22 45 54·65	7·164	·49	-·020	16	2·60	814*
686	7·1	Piazzi IV. 163	4 37 1·336	+3·4913	+·011	...	+18 31 55·93	+7·101	-·48	...	5	2·62	815
687	6·2	95 Tauri	37 10·448	3·6263	·012	-·0001	+23 53 57·77	7·089	·50	-·014	5	1·45	816
688	8·5†	Lalande 8844.....	37 11·500	3·5382	·011	...	+20 26 21·72	7·086	·49	...	5	3·65	817
689	8·3†	Lalande 8852.....	37 12·176	3·4574	·010	...	+17 7 15·10	7·086	·47	...	5	3·27	818
690	8·0†	Lalande 8840.....	37 22·044	3·7234	·014	+·0014	+27 30 18·11	7·072	·51	-·335	5	2·06	819†
691	6·2	Bradley 654	4 39 40·178	+3·6167	+·012	-·0014	+23 26 38·92	+6·884	-·50	·00	5	1·01	821
692	9·1†	B. D. - 21° 961....	39 45·800	2·5682	·004	...	-21 52 40·72	6·876	·35	...	2	1·02	822
693	7·5	Lalande 8917	40 3·304	3·6809	·013	...	+25 51 11·68	6·852	·51	...	5	1·81	823
694	8·3†	W. B. (2) IV. 826...	40 19·096	3·7326	·014	...	+27 43 5·16	6·838	·51	...	5	3·04	824
695	6·1	Mayer 177	40 26·448	3·4941	·010	+·005	+18 33 13·78	6·821	·48	-·06	5	2·05	825
696	8·2†	B. D. + 19° 777....	4 40 44·108	+3·5129	+·011	...	+19 18 43·29	+6·796	-·48	...	5	3·08	826
697*	9·7†	B. D. + 20° 821....	41 15·314	3·5368	·011	...	+20 15 44·02	6·754	·49	...	5	3·85	827
698	7·0	Lalande 8965	42 0·898	3·7723	·014	...	+29 3 31·30	6·690	·52	...	5	1·02	828
699	8·1†	Lalande 8991	42 29·966	3·6486	·012	...	+24 33 58·15	6·651	·50	...	5	1·81	829
700	9·0†	B. D. - 21° 976....	42 34·050	2·5663	·004	...	-21 52 2·89	6·545	·36	...	2	1·02	830
701	8·2†	Lalande 9008	4 42 47·362	+3·5599	+·011	...	+21 8 19·98	+6·627	-·49	...	5	2·25	831
702	8·5†	Lalande 9024	43 45·682	3·6143	·011	...	+23 13 19·56	6·546	·50	...	5	3·06	832
703	6·3	96 Tauri	44 0·806	3·4282	·009	-·0001	+15 43 47·24	6·525	·48	+·01	5	1·23	833
704	7·2	Lalande 9055	44 36·794	3·4598	·009	...	+17 1 49·06	6·476	·48	...	5	1·41	834
705	5·1	97 Tauri	45 31·416	3·5003	·010	+·0059	+18 40 10·83	6·401	·49	-·035	14	2·97	835*
706	6·0	Piazzi IV. 211	4 46 32·277	+3·7391	+·013	...	+27 43 48·23	+6·317	-·52	...	12	1·88	837
707	7·8	W. B. (2) IV. 986...	46 46·798	3·7080	·012	...	+26 36 40·34	6·296	·51	...	5	1·41	838
708	7·2	Lalande 9132	47 28·682	3·6699	·012	...	+25 12 1·85	6·238	·51	...	5	3·06	839
709	6·7	Lalande 9136	47 32·074	3·6154	·011	...	+23 8 57·07	6·234	·50	...	5	2·40	840
710	8·9†	B. D. + 26° 762....	48 23·397	3·7091	·012	...	+26 35 45·80	6·161	·52	...	3	1·03	841
711	8·6†	B. D. + 20° 840....	4 48 48·040	+3·5591	+·010	...	+20 56 13·33	+6·128	-·50	...	5	1·63	843
712	9·0†	B. D. + 20° 846....	49 16·868	3·5396	·010	...	+20 9 7·14	6·088	·49	...	5	2·25	844
713	7·4	Lalande 9226	50 6·030	3·5982	·010	...	+22 25 3·75	6·020	·50	...	5	1·43	845
714	6·3	Lalande 9223	50 10·064	3·6515	·011	...	+24 25 57·15	6·014	·51	...	5	1·62	846
715	5·7	Bradley 686	51 35·736	3·4627	·009	-·0015	+16 59 48·08	5·895	·48	+·01	5	1·42	847
716	6·0	99 Tauri	4 51 44·592	+3·6356	+·011	-·0013	+23 47 33·03	+5·882	-·51	-·01	5	1·84	848
717	5·6	98 Tauri	52 2·126	3·6655	·011	+·0023	+24 53 45·77	5·858	·51	-·061	5	1·44	849*
718	8·8†	B. D. + 18° 765....	52 30·108	3·5086	·009	...	+18 50 19·33	5·819	·49	...	5	3·07	850
719	8·0†	Lalande 9326	53 27·618	3·6909	·011	...	+25 47 9·32	5·738	·52	...	5	1·63	851
720	6·8	Lalande 9332	53 40·088	3·7299	·011	...	+27 10 28·25	5·722	·52	...	5	1·22	852

697. B. D., 8·7; A. G. C., 9·1 mag.

690. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
721	8.7†	Lalande 9365.....	^h 4 ^m 54 ^s 50.324	+3.7888	+0.12	...	+29° 11' 9".64	+5".624	-".53	...	5	1.82	855
722	8.7†	W. B. (2) IV. 1197...	55 27.742	3.6162	.010	...	+22 57 24.28	5.570	.51	...	5	1.24	856
723	9.0†	B. D. + 19° 839.....	55 59.234	3.5353	.009	...	+19 49 10.46	5.527	.50	...	5	2.44	857
724	4.7	102 Tauri.....	57 7.082	3.5777	.009	+0.056	+21 26 49.89	5.432	.51	-0.049	19 : 20	1.96 : 2.07	858*
725	8.2†	W. B. (2) IV. 1251..	57 43.752	3.6681	.010	...	+24 50 1.30	5.380	.52	...	5	1.81	859
726	6.5	Lalande 9484.....	4 58 22.766	+3.7446	+0.11	...	+27 33 23.02	+5.325	-".53	...	5	2.46	861
727	8.5†	Lalande 9503.....	58 43.483	3.6403	.010	...	+23 46 50.58	5.295	.51	...	3	3.07	862
728	9.2†	B. D. + 17° 832.....	59 5.194	3.4825	.008	...	+17 38 36.97	5.266	.49	...	5	2.46	863
729	6.7	W. B. (2) IV. 1301.	59 35.504	3.6179	.009	...	+22 55 23.32	5.222	.51	...	5	1.43	864
730	6.3	Mayer 198	59 38.366	3.5336	.009	-0.01	+19 40 8.36	5.219	.50	-0.01	5	1.64	865
731	6.6	Piazzi IV. 287	4 59 41.932	+3.7099	+0.10	...	+26 17 33.63	+5.214	-".53	...	5	2.07	866
732	8.6†	W. B. (2) IV. 1315.	5 0 21.973	3.7123	.010	...	+26 21 38.40	5.157	.53	...	3	2.37	867
733	8.7†	W. B. (2) IV. 1348.	5 1 14.712	3.4600	.008	...	+16 41 40.02	5.083	.49	...	5	1.65	868
734	5.0	104 Tauri.....	5 1 32.394	3.5053	.008	+0.375	+18 30 39.43	5.059	.50	+0.022	5	1.23	869
735	5.2	106 Tauri.....	5 1 53.264	3.5505	.009	-0.034	+20 17 11.32	5.029	.50	-0.029	5	1.62	870
736	6.0	105 Tauri	5 1 56.666	+3.5839	+0.09	-0.018	+21 34 20.81	+5.024	-".51	+0.003	5	2.69	871
737	5.5	103 Tauri	2 0.990	3.6520	.009	-0.009	+24 7 58.53	5.018	.52	.00	5	3.09	872
738	6.6	107 Tauri	2 56.326	3.5368	.008	-0.010	+19 43 47.60	4.940	.50	+0.003	5	1.85	873
739	6.6	W. B. (2) IV. 1414..	3 21.634	3.8105	.011	...	+29 40 11.39	4.904	.54	...	5	2.69	874
740	6.0	Lalande 9653.....	3 28.340	3.7586	.010	...	+27 54 12.66	4.895	.53	...	5	1.86	875
741	4.9	15 Orionis	5 3 58.466	+3.4312	+0.07	-0.013	+15 28 10.56	+4.853	-".49	+0.008	5	1.21	876
742	8.7†	W. B. (2) V. 1	4 36.492	3.6779	.009	...	+25 1 14.40	4.799	.52	...	5	2.07	877
743	8.8†	W. B. (2) V. 15	4 55.944	3.6256	.009	...	+23 4 58.08	4.770	.52	...	5	2.47	879
744	5.4	Piazzi V. 1	5 56.872	3.4430	.007	...	+15 55 19.56	4.684	.49	...	5	1.60	881
745	6.8	W. B. (2) V. 54	6 10.050	3.7157	.009	...	+26 20 10.52	4.666	.53	...	5	2.08	882
746	8.7†	W. B. (2) V. 91	5 6 42.328	+3.4722	+0.07	...	+17 5 32.17	+4.620	-".50	...	5	3.08	883
747	8.6†	W. B. V. 77	6 46.800	3.8910	.004	...	-7 56 24.47	4.613	.41	...	6	2.08	884
748	8.0†	W. B. V. 87	7 8.438	2.8611	.004	...	-9 13 11.25	4.583	.41	...	6	2.47	885
749	7.7†	W. B. (2) V. 128....	8 7.754	3.5750	.008	...	+21 6 21.65	4.498	.51	...	5	1.42	887
750	9.2†	B. D. + 2° 890.....	8 30.620	3.1197	.005	...	+2 5 6.77	4.465	.44	...	3	3.08	889
751	7.7	W. B. (2) V. 168....	5 9 16.258	+3.5454	+0.08	...	+19 56 30.89	+4.402	-".51	...	5	2.03	890
752	6.2	108 Tauri	9 26.983	3.6037	.008	-0.022	+22 10 13.06	4.386	.51	+0.004	12	2.34	891
753	0.4	19 Orionis.....	9 43.901	2.8817	.004	.0000	-8 19 1.43	4.362	.41	.000	8	1.93	892*
754	8.9†	B. D. + 18° 806	9 57.944	3.5095	.007	...	+18 31 29.13	4.342	.50	...	5	3.48	893
755	8.8†	B. D. + 27° 744....	10 36.378	3.7550	.009	...	+27 36 21.15	4.288	.54	...	5	3.47	894
756	6.9	Lalande 9827.....	5 10 55.990	+3.7901	+0.09	...	+28 47 38.82	+4.259	-".54	...	5	1.65	895
757	6.9	Lalande 9848.....	11 26.444	3.6513	.008	...	+23 54 6.54	4.216	.52	...	5	2.08	896
758	8.5†	Piazzi V. 33	12 5.502	2.9108	.004	...	-7 2 46.54	4.159	.42	...	6	2.57	897
759	7.8†	Lalande 9887.....	12 32.046	3.5924	.007	...	+21 41 7.32	4.122	.51	...	5	1.63	898
760	8.7†	W. B. V. 234	12 57.772	2.8707	.004	...	-8 45 27.34	4.085	.41	...	5	1.87	899

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
761	5.1	109 Tauri.....	5 ^m 13 ^s 16.069	+3.6009	+0.008	+0.011	+21° 59' 35.07	+4.060	-0.52	-0.082	12	2.08	900
762	6.3	Mayer 208	13 19.670	3.5495	.007	-0.002	+20 1 46.94	4.054	.51	-0.02	5	3.07	901
763	8.8†	W. B. (2) V. 296....	13 34.838	3.7151	.008	...	+26 9 16.31	4.032	.53	...	5	3.66	902
764	8.2†	Lalande 9929.....	14 9.170	3.6850	.008	...	+25 4 6.20	3.984	.53	...	5	2.29	903
765	6.6	Mayer 210.....	14 24.366	3.5356	.007	-0.003	+19 28 32.28	3.962	.51	-0.02	5	3.06	904
766	6.4	Mayer 209.....	5 14 42.518	+3.7648	+0.009	-0.003	+27 51 20.66	+3.937	-0.54	-0.01	5	1.81	905
767	9.1†	B. D. - 21° 1132....	14 47.330	2.5631	.003	...	-21 13 54.31	3.930	.37	...	2	1.02	906
768	5.8	Piazzi V. 42.....	14 50.986	3.8128	.009	...	+29 28 6.74	3.924	.55	...	5	2.31	907
769	6.5	Mayer 211.....	15 2.134	3.5420	.007	.000	+19 42 46.87	3.908	.51	-0.01	5	2.07	908
770	8.0†	Lalande 9987.....	15 47.710	3.5191	.007	...	+18 48 27.22	3.842	.50	...	5	2.25	909
771	4.6	22 Orionis	5 16 39.441	+3.0613	+0.004	-0.001	-0 28 51.99	+3.769	-0.44	+0.005	23	2.25	910*
772	5.1	111 Tauri.....	18 35.250	3.4816	.006	+0.0157	+17 17 25.86	3.603	.50	+0.006	5	1.02	912
773	9.2†	B. D. + 23° 909....	18 43.894	3.6439	.007	...	+23 29 44.11	3.591	.52	...	5	2.47	913
774	6.9	Lalande 10107.....	19 13.676	3.5639	.007	...	+20 29 32.57	3.547	.51	...	5	1.68	914
775	8.0†	W. B. (2) V. 471....	19 51.038	3.7047	.007	...	+25 40 11.47	3.494	.53	...	5	3.07	915
776	1.7	112 Tauri.....	5 19 58.217	+3.7876	+0.008	+0.0025	+28 31 22.66	+3.484	-0.55	-0.177	12	2.78	916*
777	8.1†	Lalande 10156.....	20 44.922	3.7585	.008	...	+27 31 23.51	3.416	.54	...	5	1.42	917
778	5.3	115 Tauri.....	21 20.030	3.4972	.006	-0.0011	+17 52 34.52	3.366	.50	-0.003	5	1.46	918
779	4.8	114 Tauri.....	21 37.721	3.6007	.007	-0.0011	+21 51 6.00	3.340	.52	+0.006	12	2.60	919
780*	8.6†	W. B. (2) V. 541....	21 51.312	3.6374	.007	...	+23 12 33.26	3.322	.53	...	5	3.07	920
781	8.8†	B. D. - 19° 1176 ..	5 21 56.180	+2.6032	+0.003	...	-19 35 24.99	+3.314	-0.38	...	2	1.58	921
782	6.0	117 Tauri	22 13.294	3.4793	.006	...	+17 9 21.06	3.290	.50	...	5	2.08	922
783†	5.8	118 Tauri.....	23 7.186	3.6894	.007	+0.0004	+25 4 9.81	3.212	.53	-0.018	5	1.04	924
784	9.1†	W. B. (2) V. 618 ...	24 8.728	3.5870	.006	...	+21 18 5.09	3.123	.52	...	5	2.07	925
785†	7.8*	Bradley 778.....	24 35.860	3.0520	.004	-0.0041	-0 52 50.48	3.084	.44	-0.037	6	2.08	926
786	8.3†	Lalande 10347.....	5 25 52.092	+3.5397	+0.006	...	+19 28 33.18	+2.975	-0.51	...	5	2.25	929
787	8.4†	Lalande 10329.....	25 53.048	3.8086	.007	...	+29 7 16.66	2.973	.55	...	5	2.26	930
788	7.1	Piazzi V. 115.....	26 12.912	3.7432	.007	...	+26 54 27.86	2.944	.54	...	5	1.64	931
789	4.9	119 Tauri	26 21.004	3.5152	.006	-0.0003	+18 31 11.88	2.933	.51	-0.002	5	1.46	932
790	5.5	W. B. (2) V. 693	26 26.320	3.4761	.005	...	+16 59 2.64	2.926	.50	...	5	2.51	933
791	5.6	120 Tauri.....	5 27 39.996	+3.5142	+0.005	+0.0001	+18 28 8.56	+2.819	-0.51	+0.008	5	1.89	935
792	6.1	Mayer 219.....	27 42.140	3.5644	.006	-0.002	+20 24 11.76	2.816	.52	.00	5	1.61	936
793	8.6†	B. D. + 22° 949....	28 53.718	3.6209	.006	...	+22 30 3.25	2.712	.52	...	5	1.88	937
794	5.1	121 Tauri.....	29 20.674	3.6612	.006	-0.0003	+23 58 23.40	2.673	.53	-0.019	5	1.25	938
795	6.5	Piazzi V. 136.....	29 38.912	3.7648	.006	...	+27 35 50.07	2.647	.55	...	5 : 4	1.86 : 1.81	939
796	8.8†	W. B. (2) V. 804....	5 29 50.064	+3.6812	+0.006	...	+24 40 59.86	+2.631	-0.53	...	5 : 4	2.90 : 3.10	940
797	6.3	Lalande 10489.....	30 18.328	3.7151	.006	...	+25 52 29.44	2.591	.54	...	5	3.07	942
798	5.7	Piazzi V. 145.....	30 54.098	3.7437	.006	...	+26 51 42.91	2.539	.54	...	5	2.68	943
799	1.6	46 Orionis	31 8.355	3.0430	.003	.0000	-1 15 56.47	2.518	.44	+0.001	6	2.08	944*
800	5.5	122 Tauri.....	31 15.538	3.4772	.005	+0.0024	+16 58 42.40	2.507	.50	-0.039	5	1.87	945

780. Magnitude from A. G. C.

783. 5.8, 6.6 5"2 200° 1877.2.

785. 7.8, 12 2 1 155 1904.8.

No.	Mag.	Name.	Mean R.A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
801	8.8†	W. B. (2) V. 884.....	^{h m s} 5 31 39.460	^s +3.5476	^s +0.005	...	+19° 43' 6".21	+2.472	-".51	...	5	3.13	946
802	3.0	123 Tauri.....	31 40.075	3.5836	.005	+0.0006	+21 4 53.66	2.472	.52	-0.032	21 : 23	2.50 : 2.51	947*
803	6.0	Lalande 10582.....	32 56.794	3.8127	.006	...	+29 9 26.29	2.361	.55	...	5	1.46	949
804	5.1	125 Tauri.....	33 32.340	3.7153	.005	.0000	+25 50 27.57	2.310	.54	-0.014	5	1.43	950
805	7.1	Lalande 10631.....	34 10.254	3.6770	.005	...	+24 28 59.26	2.255	.53	...	5	2.10	951
806	8.4†	W. B. (2) V. 1035...	5 35 15.832	+3.5562	+0.005	...	+20 0 35.23	+2.159	-".52	...	5	1.87	952
807	4.8	126 Tauri.....	35 30.908	3.4654	.004	+0.0001	+16 28 55.42	2.138	.50	-0.013	5	1.43	953
808	8.0†	Lalande 10699.....	35 33.336	3.4905	.004	...	+17 28 12.51	2.135	.51	...	5	2.29	954
809	7.8†	Lalande 10697.....	35 49.754	3.6714	.005	...	+24 16 1.81	2.110	.53	...	5	3.09	955
810	6.5	Piazzi V. 184.....	36 1.192	3.6259	.005	...	+22 36 36.34	2.094	.53	...	5	2.07	956
811	6.7	127 Tauri.....	5 37 0.690	+3.5284	+0.004	-0.0025	+18 55 55.54	+2.007	-".51	-0.030	5	2.88	959
812	6.0	Piazzi V. 192.....	37 15.130	3.6411	.005	...	+23 9 24.35	1.987	.53	...	5	1.88	961
813	8.3†	W. B. (2) V. 1127...	37 22.476	3.5927	.004	...	+21 22 8.75	1.975	.52	...	5	3.11	962
814	6.8	Lalande 10761.....	37 28.498	3.7037	.005	...	+25 23 32.97	1.968	.54	...	5	1.84	963
815	7.8†	Lalande 10782.....	38 3.906	3.7704	.005	...	+27 41 9.21	1.916	.55	...	5	3.08	964
816	6.5	Piazzi V. 200.....	5 38 5.768	+3.0337	+0.003	...	- 1 39 34.12	+1.913	-".44	...	6	2.09	965
817	7.2	B. D. + 26° 937.....	38 42.350	3.7299	.005	...	+26 17 54.04	1.860	.54	...	5	2.08	966
818	6.8	128 Tauri.....	39 7.532	3.4550	.004	-0.0010	+16 2 33.42	1.823	.50	+0.002	5	1.85	967
819	9.4†	W. B. (2) V. 1202...	39 19.770	3.7438	.005	...	+26 46 17.64	1.805	.54	...	3	2.77	968
820	8.0†	Lalande 10829.....	39 23.226	3.6951	.005	...	+25 4 29.11	1.801	.54	...	5	2.07	969
821	9.5†	B. D. + 26° 950.....	5 40 35.403	+3.7498	+0.005	...	+26 57 39.40	+1.696	-".55	...	3	2.09	971
822	7.9	Lalande 10883.....	40 49.708	3.5606	.004	...	+20 8 4.11	1.675	.52	...	5	2.46	972
823	8.2†	Lalande 10891.....	41 12.556	3.6237	.004	...	+22 29 28.15	1.641	.53	...	5	3.12	973
824	8.7†	B. D. + 26° 955.....	41 23.317	3.7476	.004	...	+26 53 9.18	1.627	.55	...	3	1.39	974
825	6.5	Lalande 10894.....	41 23.610	3.7086	.004	...	+25 31 51.90	1.625	.54	...	5	2.06	975
826	5.6	130 Tauri.....	5 41 36.323	+3.4973	+0.004	+0.0004	+17 41 30.04	+1.607	-".51	-0.009	18 : 20	2.30 : 2.28	976*
827†	7.4†	Lalande 10913.....	41 40.312	3.5812	.004	...	+20 54 16.27	1.602	.52	...	5	3.13	977
828	5.9	Piazzi V. 222.....	42 24.180	3.5794	.004	...	+20 50 4.47	1.538	.52	...	3	2.38	978
829	5.0	132 Tauri.....	42 52.720	3.6806	.004	-0.0009	+24 32 2.07	1.496	.54	-0.010	5	2.26	979
830†	7.8†	Lalande 10958.....	42 53.852	3.8323	.004	...	+29 41 34.66	1.494	.56	...	5	2.89	980
831	9.2†	B. D. + 24° 972.....	5 43 8.753	+3.6707	+0.004	...	+24 10 40.14	+1.473	-".53	...	3	2.09	981
832	8.0†	W. B. (2) V. 1340...	43 13.130	3.6710	.004	...	+24 11 22.56	1.467	.53	...	3	1.70	982
833	8.5†	Lalande 11020.....	44 14.776	3.5349	.004	...	+19 8 6.24	1.377	.52	...	5	1.87	984
834	5.7	Piazzi V. 236.....	44 40.022	3.7794	.004	...	+27 56 16.04	1.340	.55	...	5	1.86	986
835	7.0	Lalande 11062.....	45 45.718	3.6483	.004	...	+23 21 22.22	1.244	.53	...	5	1.67	987
836	6.0	Lalande 11088.....	5 46 27.892	+3.5537	+0.003	...	+19 50 32.11	+1.183	-".52	...	5	2.25	988
837	8.1†	B. D. + 26° 985.....	46 52.438	3.7353	.004	...	+26 25 16.49	1.147	.54	...	5	3.11	989
838	9.1†	B. D. + 27° 897.....	46 53.173	3.7698	.004	...	+27 36 1.19	1.147	.55	...	3	1.39	990
839	4.6	136 Tauri.....	47 2.482	3.7695	.004	+0.0002	+27 35 19.35	1.134	.55	-0.021	5	2.72	991
840	8.5†	B. D. + 22° 1080...	47 18.120	3.6128	.003	...	+22 3 2.53	1.110	.53	...	5	3.15	992

827. 7.5, 10.0 1.7 81° 1891.9; Magnitude from A. G. C.
830. 8.3, 8.8 1.0 166 1899.0.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
841	7.7	Lalande 11095.....	^{h m s} 5 47 20.512	^s +3.6960	^s +0.004	...	+25° 3' 0".26	+ 1".106	- ".54	...	5	2.72	993
842	9.0†	W. B. (2) V. 1472...	47 23.680	3.7672	.004	...	+27 30 23.14	1.102	.55	...	3	2.47	994
843	4.6	54 Orionis..... ^χ ¹	48 27.618	3.5649	.003	- .0154	+20 15 27.48	1.008	.52	- .096	5	1.43	996
844	5.8	57 Orionis.....	49 1.444	3.5510	.003	- .0016	+19 43 48.98	0.960	.52	+ .009	5	1.68	997
845	7.7†	Lalande 11162.....	49 9.320	3.4902	.003	...	+17 22 58.70	0.949	.51	...	5	2.71	998
846	6.4	Piazzi V. 266.....	5 50 12.634	+3.8102	+0.003	...	+28 55 34.82	+ 0.855	- .56	...	5	2.07	1001
847	5.8	Lalande 11198.....	50 48.672	3.6735	.003	...	+24 14 5.81	0.803	.54	...	5	1.25	1003
848	4.7	139 Tauri.....	51 47.338	3.7221	.003	.0000	+25 56 29.49	0.719	.54	- .009	12	2.32	1005†
849	7.5	Lalande 11244.....	52 20.106	3.6433	.003	...	+23 8 42.93	0.671	.53	...	5	2.06	1006
850	7.2	Lalande 11270.....	52 52.928	3.4702	.003	...	+16 35 14.88	0.622	.51	...	5	2.09	1007
851	8.7†	W. B. (2) V. 1652...	5 52 57.620	+3.5762	+0.003	...	+20 40 0.33	+ 0.615	- .52	...	5	3.10	1009
852	7.1	Lalande 11273.....	53 1.896	3.5273	.003	...	+18 48 38.78	0.609	.51	...	5	3.09	1010
853	6.7	Lalande 11293.....	53 39.326	3.6012	.003	...	+21 35 47.88	0.555	.53	...	5	1.85	1012
854	8.5†	W. B. (2) V. 1685...	54 10.140	3.7215	.003	...	+25 54 57.54	0.510	.54	...	3	2.07	1013
855	6.9	140 Tauri.....	54 24.446	3.6364	.002	.0000	+22 53 37.99	0.490	.53	- .002	5	2.68	1014
856	6.1	Piazzi V. 287.....	5 54 43.370	+3.7698	+0.002	...	+27 34 1.98	+ 0.462	- .55	...	5	1.91	1016
857	6.3	141 Tauri.....	55 39.288	3.6230	.002	- .0021	+22 23 53.63	0.381	.53	- .012	5	1.85	1017
858	5.1	64 Orionis.....	57 32.182	3.5506	.002	+ .0016	+19 41 32.06	0.216	.52	- .012	5	1.68	1019
859	8.3†	Lalande 11434.....	57 56.966	3.7919	.002	...	+28 18 13.44	0.179	.55	...	5	3.13	1020
860	4.7	62 Orionis..... ^χ ²	57 58.882	3.5625	.002	.0000	+20 8 27.22	0.176	.52	+ .006	5	3.35	1021
861	7.5	W. B. (2) V. 1825...	5 58 0.704	+3.4842	+0.002	...	+17 7 45.54	+ 0.174	- .51	...	5	3.34	1022
862	7.0	Piazzi V. 306.....	58 1.162	3.7082	.002	...	+25 26 52.12	0.174	.54	...	5	3.52	1023
863	4.1	1 Geminorum.....	58 2.484	3.6470	.002	+ .0002	+23 16 7.41	0.171	.53	- .109	12 : 13	1.90 : 1.99	1024*
864	8.7†	W. B. (2) V. 1851...	59 1.520	3.6771	.002	...	+24 20 59.78	0.086	.54	...	5	2.50	1025
865	8.8†	B. D. + 18° 1078...	59 7.390	3.5147	.002	...	+18 18 58.14	0.077	.51	...	5	3.14	1026
866	8.9†	Lalande 11488.....	5 59 17.633	+3.5959	+0.002	...	+21 23 35.90	+ 0.061	- .52	...	3	2.43	1027
867	6.3	Lalande 11501.....	5 59 59.376	3.8291	.002	...	+29 31 13.83	+ 0.002	.56	...	5	1.69	1030
868	8.5†	Lalande 11538.....	6 0 42.086	3.6094	.002	...	+21 53 46.93	- 0.061	.53	...	5	2.50	1032
869	6.9	2 Geminorum.....	6 0 42.850	3.6575	.002	- .0005	+23 38 51.71	- 0.063	.53	- .003	5	2.85	1033
870	7.0	Piazzi V. 325.....	6 1 5.556	3.7443	.001	...	+26 41 32.95	- 0.096	.55	...	5	2.49	1035
871	8.0†	W. B. (2) V. 1939...	6 1 10.084	+3.4603	+0.002	...	+16 11 15.01	- 0.102	- .50	...	5	3.13	1036
872	7.9†	Lalande 11561.....	1 19.880	3.5809	.002	...	+20 49 51.23	0.117	.52	...	3	2.44	1037
873	8.2†	Lalande 11568.....	1 42.192	3.7663	.001	...	+27 26 33.23	0.149	.55	...	5	3.13	1038
874	9.3†	B. D. + 27° 1000...	2 13.500	3.7773	.001	...	+27 48 47.31	0.194	.55	...	3	1.42	1040
875	6.0	Mayer 251.....	3 30.674	3.6178	.001	- .004	+22 12 22.70	0.308	.53	+ .01	5	1.69	1042
876	5.7	3 Geminorum.....	6 3 39.621	+3.6431	+0.001	+ .0001	+23 7 47.04	- 0.321	- .53	- .002	12	2.57	1043
877	8.3†	W. B. (2) V. 2053...	4 4.448	3.5506	.001	...	+19 41 35.68	0.356	.52	...	5	2.69	1044
878*	var.	Lalande 11684.....	4 40.604	3.7250	.001	...	+26 2 2.27	0.410	.54	...	5	3.12	1045
879	7.6	Lalande 11689.....	4 53.892	3.8107	.001	...	+28 55 38.31	0.429	.56	...	5	2.69	1047
880	6.4	Lalande 11713.....	5 10.704	3.5103	.001	...	+18 9 1.02	0.453	.51	...	5	2.89	1048

878. L., 7.4-8.2; P, irregular.

No.	Magn.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
881	5.9	5 Geminorum	h m s 6 5 24.332	s +3.6795	s +0.001	s -0.0007	+24° 26' 31".89	-0.472	-0.54	-0.046	5	1.90	1049
882	6.9	Lalande 11717	5 24.812	3.5833	.001	...	+20 55 33.15	0.474	.52	...	5	2.28	1050
883	8.2†	B. D. + 27° 1013...	5 31.116	3.7576	.001	...	+27 9 16.56	0.482	.55	...	5	3.13	1051
884	6.9	Lalande 11739	5 49.876	3.4909	.001	...	+17 23 56.58	0.510	.51	...	5	3.15	1052
885	5.7	68 Orionis	6 5.940	3.5536	.001	+0.0014	+19 48 45.57	0.533	.52	-0.002	5	3.11	1054
886	6.3	6 Geminorum	6 6 15.350	+3.6375	+0.001	-0.0009	+22 55 52.54	-0.547	-0.53	+0.010	5	3.19	1056
887	4.9	69 Orionis	6 17.270	3.4592	.001	-0.0018	+16 9 11.13	0.550	.50	.000	5	2.48	1057
888	8.6†	Lalande 11757	6 43.913	3.7664	.001	...	+27 27 24.24	0.589	.55	...	3	2.78	1058
889	9.6†	B. D. + 5° 1130.....	6 56.540	3.1999	.001	...	+ 5 27 11.66	0.608	.47	...	3	3.16	1059
890	9.0†	W. B. (2) VI. 94	7 16.020	3.7586	.001	...	+27 11 38.75	0.636	.55	...	3	3.11	1060
891	6.2	Lalande 11791	6 7 40.706	+3.5246	+0.001	...	+18 42 23.59	-0.672	-0.51	...	5	1.68	1062
892	5.7	Lalande 11839	8 38.134	3.5045	.001	...	+17 56 4.59	0.755	.51	...	5	2.68	1064
893†	var.	7 Geminorum	8 50.484	3.6265	.001	-0.0039	+22 32 9.14	0.773	.53	-0.016	16 : 17	2.39 : 2.32	1065*
894	5.1	71 Orionis	8 57.830	3.5371	.001	-0.0082	+19 11 24.82	0.784	.52	-0.18	5	2.70	1066
895	4.4	44 Aurigæ	9 0.360	3.8290	.000	-0.0052	+29 32 4.93	0.787	.56	-0.263	12	3.28	1067
896	7.6†	Lalande 11854	6 9 14.242	+3.7053	.000	...	+25 21 58.44	-0.807	-0.54	...	5	3.14	1068
897	8.0†	W. B. (2) VI. 166...	9 36.802	3.7791	.000	...	+27 53 36.45	0.841	.55	...	5	3.17	1069
898	8.8†	B. D. + 20° 1337 ...	10 1.800	3.5725	.000	...	+20 32 24.42	0.877	.52	...	3	3.09	1070
899	6.1	8 Geminorum	10 12.450	3.6668	.000	-0.0028	+24 0 8.55	0.893	.53	-0.027	5	1.85	1071
900	6.5	Lalande 11918	10 35.186	3.4859	+0.001	...	+17 12 52.14	0.925	.51	...	5	2.11	1074
901	6.2	9 Geminorum	6 10 52.666	+3.6604	.000	-0.0014	+23 46 28.58	-0.952	-0.53	+0.002	5	2.28	1075
902	8.7†	B. D. + 20° 1348...	11 30.906	3.5805	.000	...	+20 50 34.88	1.007	.52	...	5	3.10	1078
903	6.7	Piazzi VI. 43	12 4.824	3.7597	.000	...	+27 14 56.37	1.056	.55	...	5	1.65	1080
904	6.6	10 Geminorum	12 48.804	3.6564	.000	-0.0024	+23 38 31.32	1.121	.53	-0.049	5	1.90	1082
905	6.2	Lalande 12007	13 12.950	3.4896	.000	...	+17 21 51.95	1.155	.51	...	5	2.29	1083
906	8.6†	B. D. + 18° 1171...	6 13 23.426	+3.5293	.000	...	+18 54 29.40	-1.171	-0.51	...	5	3.09	1084
907	7.2	Lalande 12043	14 26.356	3.7008	.000	...	+25 13 53.97	1.262	.54	...	5	1.46	1085
908	6.3	W. B. (2) VI. 316...	14 48.968	3.8295	-0.001	...	+29 35 9.18	1.295	.56	...	5	2.54	1086
909	7.1	Mayer 264	15 15.692	3.5889	.000	-0.007	+21 10 35.67	1.334	.52	.00	5	3.13	1087
910	6.5	Lalande 12093	15 35.754	3.5007	.000	...	+17 48 35.12	1.363	.51	...	5	3.13	1088
911	7.3	Lalande 12090	6 15 40.133	+3.5561	.000	...	+19 56 14.45	-1.369	-0.52	...	6	2.63	1089
912	7.7†	Mayer 266	15 43.152	3.6606	-0.001	-0.002	+23 48 25.95	1.374	.53	-0.03	5	2.75	1091
913	8.3†	Lalande 12103	16 11.680	3.7433	.001	...	+26 42 57.33	1.416	.54	...	5	3.15	1092
914	3.2	13 Geminorum	16 54.666	3.6262	.001	+0.0047	+22 33 53.86	1.478	.53	-0.114	21 : 22	2.39 : 2.43	1094*
915	6.6	Piazzi VI. 78	18 34.198	3.6963	.001	...	+25 6 3.88	1.622	.54	...	5	1.47	1095
916	7.7†	Lalande 12196	6 18 41.220	+3.7831	-0.001	...	+28 5 5.95	-1.632	-0.55	...	5	2.33	1096
917	6.7	14 Geminorum	19 42.636	3.6022	.001	-0.0026	+21 42 2.02	1.723	.52	-0.014	5	2.70	1099
918	8.5†	Lalande 12251	20 13.848	3.6313	.001	...	+22 46 32.87	1.767	.53	...	5	2.93	1102
919†	6.9	Lalande 12262	20 18.494	3.5259	.001	-0.0110	+18 49 4.31	1.773	.51	-0.124	5	1.68	1103†
920	8.1†	W. B. (2) VI. 520...	21 19.634	3.5925	.001	...	+21 21 12.95	1.863	.52	...	5	2.31	1104

893. Var., 10.0.1''2 291° 1897.2; L, 3.2-4.2; P, 231d.4.
 919. 6.9, 13.7 1'3 161 1890.9.

919. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
921	8.0†	W. B. (2) VI. 535	h m s 6 21 53.106	+3.6571	— .001	...	+23 43 46.11	— 1.911	— .53	...	5	2.49	1107
922	6.2	16 Geminorum	21 59.842	3.5712	.001	— .0031	+20 33 22.86	1.921	.52	+ .005	5	1.68	1108
923	6.5	Lalande 12339	22 40.850	3.7508	.002	...	+27 1 55.46	1.981	.54	...	5	2.73	1109
924	4.0	18 Geminorum	23 1.547	3.5636	.001	— .0005	+20 16 31.66	2.011	.52	— .016	18	2.78	1110*
925	6.9	Piazzi VI. 114	24 3.446	3.7873	.002	...	+28 16 41.08	2.100	.55	...	5	1.70	1113
926	8.3†	Lalande 12389	6 24 22.244	+3.8364	— .003	...	+29 53 46.59	— 2.127	— .56	...	5	2.65	1114
927	9.4†	B. D. + 24° 1296 ...	25 19.823	3.6726	.002	...	+24 19 19.07	2.211	.50	...	3	3.14	1117
928	6.2	W. B. (2) VI. 655 ...	25 22.286	3.4786	.001	...	+17 0 29.78	2.214	.53	...	5	2.06	1118
929	7.2	Lalande 12462 ...	25 57.976	3.6157	.002	...	+22 15 23.28	2.266	.52	...	5	1.91	1119
930†	6.7	20 Geminorum	26 28.396	3.5000	.001	+ .0013	+17 51 17.33	2.310	.51	+ .041	5	2.70	1120
931	9.3†	B. D. + 24° 1300 ...	6 26 54.037	+3.6733	— .002	...	+24 21 47.98	— 2.348	— .53	...	3	1.42	1121
932	8.7†	W. B. (2) VI. 702 ...	27 0.044	3.7012	.002	...	+25 21 12.25	2.356	.53	...	5	3.14	1122
933	9.0†	B. D. + 24° 1303 ...	27 11.852	3.6663	.002	...	+24 6 54.17	2.374	.53	...	5	3.15	1123
934	9.2†	B. D. + 24° 1305 ...	27 40.987	3.6669	.002	...	+24 8 19.98	2.416	.53	...	3	2.45	1124
935	9.4†	B. D. + 7° 1341 ...	28 8.820	3.2350	.000	...	+ 6 59 23.32	2.456	.47	...	3	3.10	1125
936	9.5†	B. D. + 24° 1313 ...	6 28 40.980	+3.6690	— .002	...	+24 13 33.24	— 2.502	— .53	...	3	1.43	1126
937	6.9	22 Geminorum	28 45.192	3.5420	.002	— .0023	+19 30 21.62	2.508	.51	+ .010	5	2.08	1127
938	5.1	49 Aurigæ	28 54.216	3.7802	.003	— .0007	+28 6 0.82	2.521	.55	— .014	5	1.71	1128
939	8.0†	Lalande 12597	29 38.698	3.5804	.002	...	+20 58 9.05	2.586	.52	...	5	2.49	1130
940	7.7†	B. D. + 17° 1306 ...	30 4.286	3.4970	.002	...	+17 46 21.90	2.622	.51	...	5	3.11	1131
941	6.8	B. D. + 23° 1245 ...	6 30 38.550	+3.6394	— .002	...	+23 10 46.13	— 2.671	— .52	...	5	1.67	1132
942	8.3†	C. Z. VI. 1403	31 12.277	2.2375	+ .002	...	— 32 13 36.73	2.721	.32	...	3	1.76	1134
943	6.5	Piazzi VI. 165	31 19.474	3.6805	— .003	...	+24 40 26.03	2.731	.53	...	5	2.13	1136
944	1.9	24 Geminorum	31 56.128	3.4640	— .002	+ .0033	+16 29 4.79	2.784	.50	— .048	17	3.01	1137*
945	5.6	53 Aurigæ	32 2.586	3.8079	— .004	— .0031	+29 4 11.87	2.794	.55	— .004	5	1.88	1138
946	8.7†	B. D. + 26° 1300 ...	6 32 26.654	+3.7345	— .003	...	+26 35 9.87	— 2.829	— .54	...	5	3.15	1139
947	6.3	Lalande 12712	33 4.368	3.6098	.003	...	+22 7 7.72	2.882	.52	...	5	1.90	1141
948†	5.8	54 Aurigæ	33 14.814	3.7859	.004	— .0025	+28 21 5.32	2.898	.54	— .025	5	1.88	1142
949	7.8†	W. B. (2) VI. 935 ...	34 0.020	3.6544	.003	...	+23 45 49.72	2.963	.53	...	5	2.69	1143
950	8.0†	B. D. + 20° 1521 ...	34 2.524	3.5685	.003	...	+20 34 36.94	2.967	.51	...	5	3.13	1144
951	7.4	Mayer 276	6 34 7.572	+3.5468	— .002	— .002	+19 44 58.17	— 2.975	— .51	— .08	5	2.49	1145
952	8.0†	Lalande 12766	34 50.010	3.7000	— .003	...	+25 24 56.73	3.035	.53	...	3	1.12	1146
953	6.6	25 Geminorum	35 2.818	3.7832	— .004	— .0014	+28 17 20.55	3.054	.54	+ .004	5	2.10	1147
954	7.7	Lalande 12789	35 28.036	3.7502	— .004	...	+27 10 29.76	3.090	.54	...	5	3.11	1149
955	8.0*	Lalande 12861	35 37.762	2.6636	+ .001	...	— 17 12 7.24	3.104	.38	...	6	2.99	1150
956	8.7†	B. D. — 16° 1563 ...	6 35 49.083	+2.6841	+ .001	...	— 16 23 8.21	— 3.120	— .39	...	6	3.17	1151
957	7.8†	Lalande 12816	36 1.830	3.7037	— .004	...	+25 33 48.20	3.139	.53	...	3	2.09	1152
958	5.2	26 Geminorum	36 34.960	3.4945	— .002	— .0009	+17 44 34.84	3.186	.50	— .080	5	1.90	1153
959	9.0†	B. D. — 20° 1496 ...	37 22.325	2.5798	+ .001	...	— 20 28 51.37	3.254	.37	...	2	3.06	1155
960†	6.8	Lalande 12936	37 30.046	2.6964	+ .001	...	— 15 54 40.57	3.266	.39	...	5	2.74	1156

930. 7.4 mag. is 20" S. pr.
 948. 6.0, 7.8 0".9 31° 1900.3.
 960. 6.8, 9.2 3° 9 165 1898.2.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
961	3.2	27 Geminorum.....	h m s 6 37 46.830	+3.6936	-.004	-.0001	+25° 13' 48".72	-3.290	-.53	-.018	12 : 13	2.11 : 2.19	1157*
962	9.0†	B. D. + 22° 1451 ...	37 49.180	3.6275	.003	...	+22 50 18.78	3.293	.52	...	3	1.43	1158
963	8.5†	B. D. + 22° 1453 ...	38 22.570	3.6230	.003	...	+22 40 46.60	3.342	.52	...	3	1.83	1159
964	5.5	28 Geminorum.....	38 25.238	3.8049	.005	-.0015	+29 4 18.55	3.345	.55	-.014	5	2.06	1160
965	7.0	Lalande 12914.....	38 33.052	3.5726	.003	...	+20 47 36.27	3.356	.51	...	5	3.17	1161
966	6.8	Lalande 12925.....	6 38 53.704	+3.6298	-.004	...	+22 56 19.35	-3.386	-.52	...	5	3.16	1162
967	8.5†	B. D. + 19° 1460....	38 58.520	3.5421	.003	...	+19 37 44.01	3.393	.51	...	5	3.16	1163
968	8.5†	Lalande 12932.....	39 1.043	3.6285	.004	...	+22 53 29.65	3.396	.52	...	3	2.42	1164
969	6.5	Lalande 12962.....	40 6.274	3.6439	.004	...	+23 28 26.71	3.490	.52	...	5	1.32	1165
970	8.7†	B. D. + 21° 1372 ...	40 16.884	3.5942	.003	...	+21 38 11.88	3.505	.51	...	5	3.10	1166
971*	-1.7	9 Canis Majoris.....	6 40 44. *	+2.6808	+.001	-.0372	-16 34 *	-3.546	-.38	-1.207	10	2.85	1167*
972	8.8†	B. D. - 20° 1534....	41 7.925	2.5711	+.001	...	-20 51 51.48	3.579	.37	...	2	2.61	1169
973	9.1†	B. D. - 20° 1538....	41 17.285	2.5908	+.001	...	-20 6 41.99	3.592	.37	...	2	1.57	1170
974	6.2	Lalande 13021.....	41 32.900	3.5071	-.003	...	+18 18 6.29	3.615	.50	...	5	1.74	1171
975	9.0†	B. D. + 21° 1387....	42 13.717	3.5756	-.003	...	+20 57 41.15	3.673	.51	...	3	3.14	1172
976	8.0†	W. B. (2) VI. 1215.	6 42 22.374	+3.6702	-.004	...	+24 28 26.64	-3.686	-.53	...	5	3.10	1173
977	6.6	W. B. (2) VI. 1224.	42 55.486	3.7501	-.005	...	+27 18 9.06	3.732	.54	...	5	1.87	1174
978	6.9	Lalande 13129.....	43 10.168	2.6609	+.001	...	-17 23 57.18	3.753	.38	...	6	2.64	1176
979	7.9†	Lalande 13096.....	43 44.506	3.5313	-.003	...	+19 16 51.26	3.802	.50	...	5	1.71	1177
980	5.8	33 Geminorum.....	44 4.462	3.4563	-.003	-.0025	+16 18 59.12	3.831	.49	+.025	5	2.26	1178
981	8.5†	Lalande 13116.....	6 44 17.354	+3.4910	-.003	...	+17 42 15.21	-3.849	-.50	...	5	2.90	1179
982	6.9	Lalande 13125.....	44 49.744	3.7083	.005	...	+25 52 52.31	3.897	.53	...	5	1.52	1180
983	9.5†	B. D. + 24° 1423 ...	45 17.610	3.6780	.005	...	+24 48 37.04	3.938	.53	...	3	2.81	1181
984	8.5†	B. D. + 23° 1513....	45 18.183	3.6416	.004	...	+23 28 54.91	3.937	.52	...	3	1.43	1182
985	9.5†	B. D. + 21° 1403....	45 25.343	3.5758	.004	...	+21 1 12.02	3.947	.51	...	3	3.20	1183
986	5.2	36 Geminorum.....	6 45 33.468	+3.5984	-.004	-.0015	+21 52 44.78	-3.958	-.51	-.038	5	2.07	1184
987†	8.2†	C. G. A. 8507	45 54.020	2.6988	+.001	...	-15 54 52.15	3.988	.39	...	4	3.18	1186
988	8.7†	O. A. 5754.....	45 54.438	2.6763	+.001	...	-16 49 30.86	3.990	.38	...	4	3.16	1187
989	8.7†	Lalande 13178.....	45 55.098	3.5607	-.004	...	+20 27 13.58	3.990	.51	...	5	2.77	1188
990	5.8	Lalande 13171.....	45 55.732	3.6477	-.005	...	+23 43 11.78	3.991	.52	...	5	2.89	1189
991†	6.6	Lalande 13275.....	6 48 23.190	+3.5815	-.004	...	+21 17 11.56	-4.201	-.51	...	5	1.10	1192
992	6.7	Lalande 13279.....	48 36.932	3.6643	.005	-.0070	+24 22 20.88	4.221	.52	-.108	5	1.69	1193†
993	5.7	37 Geminorum.....	49 9.712	3.6952	.005	-.0037	+25 30 2.59	4.268	.52	+.011	5	2.70	1194
994	7.0	Lalande 13315.....	49 41.656	3.7492	.006	...	+27 24 47.22	4.313	.53	...	5	1.90	1195
995	6.9	Mayer 286.....	50 27.556	3.4928	.004	-.002	+17 52 0.27	4.379	.49	-.03	5	1.08	1196
996	6.9	B. D. + 22° 1531 ...	6 52 10.222	+3.6144	-.005	...	+22 36 21.49	-4.524	-.51	...	5	1.11	1197
997	6.2	39 Geminorum.....	52 37.640	3.7130	.006	-.0134	+26 12 45.21	4.563	.52	+.083	5	1.68	1199
998	7.4	Lalande 13440.....	52 39.198	3.5295	.004	...	+19 21 21.30	4.565	.50	...	5	2.71	1200
999	6.3	40 Geminorum.....	53 17.520	3.7080	.006	-.0021	+26 2 59.68	4.619	.52	-.013	5	2.31	1201
1000	8.5†	B. D. + 20° 1661 ...	53 27.144	3.5606	.005	...	+20 34 50.78	4.633	.50	...	5	2.31	1202

987. 8.2, 10.9 3" 354" 1899°.
991. 6.7, 9.7 1' 4' 173 1899°3.

971. Separate observations printed in Introduction.
992. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1001	5.8	41 Geminorum.....	^h 6 ^m 54 ^s 31.020	+3.4501	-0.004	-0.0021	+16° 13' 11.34	-4.724	-0.49	+0.013	5	1.13	1204
1002	7.2	Lalande 13495.....	54 44.170	3.7424	-0.007	...	+27 17 46.14	4.742	.53	...	5	2.10	1206
1003	9.0†	B. D. - 21° 1685...	54 57.745	2.5676	+0.001	...	-21 14 33.19	4.762	.36	...	2	2.11	1207
1004	8.0†	Lalande 13556.....	56 6.338	3.5946	-0.005	...	+21 56 24.42	4.858	.51	...	5	2.90	1208
1005	5.2	42 Geminorum.....	56 19.252	3.6592	-0.006	-0.0016	+24 21 28.52	4.877	.52	+0.004	5	1.30	1209
1006	6.2	Lalande 13577.....	6 56 36.586	+3.4908	-0.004	...	+17 53 51.85	-4.902	-0.49	...	5	2.94	1210
1007	6.0	B. D. + 16° 1363...	56 47.182	3.4639	-0.004	...	+16 49 4.44	4.916	.49	...	5	2.51	1211
1008	8.5†	B. D. - 19° 1651...	57 6.760	2.6249	+0.001	...	-19 3 28.31	4.945	.37	...	2	2.12	1212
1009	5.9	Piazzi VI. 305.....	57 9.180	3.8052	-0.008	+0.0120	+29 30 15.06	4.947	.54	-0.798	5	2.96	1213†
1010	8.6†	Lalande 13593.....	57 23.455	3.7363	-0.007	...	+27 9 2.49	4.967	.53	...	4	3.15	1215
1011	7.7	Lalande 13615.....	6 57 37.378	+3.5273	-0.005	...	+19 22 4.94	-4.987	-0.50	...	5	2.53	1217
1012	var.	43 Geminorum.....	6 58 10.728	3.5616	.005	-0.0002	+20 43 1.37	5.034	.50	-0.007	15	2.40	1218*
1013	5.9	44 Geminorum.....	6 59 17.194	3.6151	.006	-0.0010	+22 47 13.53	5.128	.51	-0.005	5	1.89	1219
1014	8.5†	W. B. (2) VI. 1730..	6 59 54.644	3.7013	.007	...	+25 58 22.44	5.181	.52	...	5	2.93	1220
1015	6.2	Lalande 13724.....	7 1 8.630	3.7673	.008	...	+28 19 50.71	5.286	.53	...	5	1.70	1221
1016	6.9	B. D. + 24° 1531.....	7 1 11.712	+3.6549	-0.007	...	+24 19 22.61	-5.290	-0.51	...	5	2.33	1222
1017†	5.7	45 Geminorum.....	2 37.946	3.4435	.005	-0.0007	+16 5 25.12	5.411	.48	-0.109	5	2.30	1224*
1018	7.6	Lalande 13801.....	2 55.468	3.4857	.005	...	+17 48 54.09	5.436	.49	...	5	1.51	1225
1019	7.3	Lalande 13813.....	3 15.744	3.5329	.006	...	+19 42 20.51	5.464	.49	...	5	2.94	1226
1020	7.0	Lalande 13792.....	3 27.040	3.6964	.007	-0.0100	+25 53 33.83	5.479	.52	-0.159	5	2.76	1227†
1021	6.5	Lalande 13849.....	7 4 10.626	+3.5762	-0.006	-0.0132	+21 25 15.89	-5.541	-0.50	-0.478	5	1.37	1228†
1022	5.6	47 Geminorum.....	5 10.976	3.7265	.008	-0.0018	+27 1 15.08	5.625	.52	-0.045	5	1.48	1229
1023	6.7	W. B. (2) VII. 66...	6 0.292	3.4675	.005	...	+17 8 31.39	5.694	.48	...	5	1.75	1230
1024	5.8	48 Geminorum.....	6 21.826	3.6505	.007	-0.0025	+24 17 44.72	5.724	.51	-0.037	5	3.12	1231
1025	5.3	51 Geminorum.....	7 37.768	3.4469	.005	+0.0019	+16 19 42.92	5.830	.48	-0.042	24	2.32	1233*
1026	6.1	52 Geminorum.....	7 8 35.080	+3.6693	-0.008	+0.0027	+25 3 31.38	-5.910	-0.51	-0.105	5	2.35	1236
1027	8.0†	W. B. (2) VII. 168..	8 39.002	3.5544	.006	...	+20 41 18.23	5.915	.49	...	5	3.13	1237
1028	8.2†	W. B. (2) VII. 172..	8 50.690	3.6217	.007	...	+23 16 58.32	5.932	.50	...	5	3.18	1238
1029	8.0†	W. B. (2) VII. 180..	9 0.516	3.5051	.006	...	+18 44 1.69	5.946	.49	...	5	3.15	1239
1030	7.4	Lalande 14038.....	9 34.928	3.5912	.007	...	+22 8 24.84	5.993	.50	...	5	1.33	1240
1031	5.9	53 Geminorum.....	7 9 42.508	+3.7523	-0.009	-0.0020	+28 4 16.84	-6.005	-0.52	-0.006	5	2.72	1241
1032	9.1†	B. D. + 21° 1555...	10 18.180	3.5684	-0.007	...	+21 16 9.10	6.053	.49	...	3	1.43	1242
1033	6.5	Mayer 301.....	10 51.726	3.7173	-0.009	.000	+26 52 10.68	6.100	.51	-0.15	5	2.35	1244
1034	9.0†	B. D. + 18° 1553...	11 27.530	3.4989	-0.006	...	+18 32 22.67	6.150	.48	...	3	2.46	1245
1035	8.7†	B. D. - 21° 1838...	11 34.080	2.5725	+0.001	...	-21 27 9.27	6.159	.36	...	2	2.61	1246
1036	3.7	54 Geminorum.....	7 12 20.806	+3.4540	-0.006	-0.0029	+16 43 14.83	-6.224	-0.48	-0.045	21	2.62	1248*
1037	8.8†	Lalande 14147.....	12 47.380	3.6455	.008	...	+24 17 57.99	6.260	.50	...	5	2.11	1249
1038†	3.3	55 Geminorum.....	14 9.096	3.5886	.007	-0.0010	+22 9 59.84	6.374	.49	-0.015	18	2.65	1251*
1039	7.7†	Lalande 14206.....	14 10.066	3.5261	.007	...	+19 42 19.45	6.375	.48	...	5	1.95	1252
1040	8.6†	B. D. + 25° 1644...	14 55.288	3.6857	.009	...	+25 51 16.88	6.437	.51	...	5	2.35	1254

1017. 5.7, 11.0 4.1 43° 1899.1.
1038. 3.3, 8.3 7.0 208 1903.2.

1009, 1020, 1021. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900'o.	Precession 1900'o.	Sec. Var. 1900'o.	Proper Motion.	Mean Dec. 1900'o.	Precession 1900'o.	Sec. Var. 1900'o.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1041	5.2	56 Geminorum	^h 7 ^m 16 ^s 2.868	^s +3.5480	^s -0.007	^s -0.0053	+20° 37' 56.84	- 6.529	- .49	- .008	5	1.34	1255
1042	6.8	Mayer 307.....	17 15.858	3.4934	.007	- .004	+18 27 55.34	6.631	.48	- .05	5	1.55	1257
1043	7.7†	Lalande 14319.....	17 18.796	3.4724	.006	...	+17 36 2.90	6.636	.47	...	5	2.93	1258
1044	5.1	57 Geminorum.....A	17 22.770	3.6668	.009	- .0063	+25 14 33.75	6.641	.50	- .017	5	3.13	1259
1045	6.0	58 Geminorum	17 27.660	3.6111	.008	- .0037	+23 8 16.08	6.648	.49	- .034	5	1.73	1260
1046	8.8†	B. D. + 26° 1547...	7 18 38.282	+3.7086	-0.010	...	+26 49 18.22	- 6.744	- .51	...	5	3.15	1262
1047	3.8	60 Geminorum	19 30.986	3.7404	.010	- .0085	+27 59 48.27	6.817	.51	- .088	5	1.35	1264*
1048	9.0†	B. D. + 24° 1659...	20 55.448	3.6339	.009	...	+24 7 37.65	6.933	.49	...	5	2.95	1266
1049	5.8	61 Geminorum	21 2.720	3.5400	.008	- .0019	+20 27 26.52	6.943	.48	- .011	5	2.94	1267
1050	5.3	63 Geminorum	21 48.240	3.5694	.008	- .0049	+21 38 58.49	7.004	.48	- .101	5	3.17	1268
1051	7.2	Lalande 14444.....	7 21 52.022	+3.6947	-0.010	...	+26 25 45.35	- 7.010	- .50	...	5	3.20	1269
1052	7.2	W. B. (2) VII. 553..	21 59.434	3.5094	.007	...	+19 14 53.75	7.019	.48	...	5	3.14	1270
1053	5.0	64 Geminorum	23 6.690	3.7458	.011	- .0039	+28 19 27.26	7.112	.51	- .053	5	2.94	1272
1054	5.1	65 Geminorum.....b ²	23 35.610	3.7396	.011	- .0022	+28 7 20.77	7.151	.51	- .018	5	3.18	1273
1055	8.4†	W. B. (2) VII. 610..	23 44.604	3.4389	.007	...	+16 22 10.44	7.164	.47	...	5	3.15	1274
1056	7.1	Lalande 14556.....	7 24 30.752	+3.5266	-0.008	...	+20 1 28.94	- 7.226	- .48	...	5	2.54	1276
1057	8.2†	Lalande 14596.....	25 50.614	3.6447	.010	...	+24 42 51.08	7.335	.49	...	5	2.74	1278
1058	5.7	Lalande 14620.....	26 2.466	3.4596	.007	...	+17 17 55.57	7.351	.47	...	5	1.51	1279
1059	8.1†	B. D. + 18° 1653...	26 38.402	3.4898	.008	...	+18 34 44.21	7.399	.47	...	5	3.15	1281
1060	6.8	Lalande 14637.....	26 38.584	3.5646	.009	...	+21 37 15.60	7.400	.48	...	5	2.16	1282
1061	6.4	W. B. (2) VII. 704...	7 26 51.056	+3.6019	-0.009	...	+23 6 2.92	- 7.416	- .48	...	5	1.75	1284
1062	9.1†	W. B. (2) VII. 723...	27 36.426	3.6668	.010	...	+25 36 54.92	7.477	.49	...	5	2.95	1285
1063	5.2	68 Geminorum	27 54.054	3.4286	.007	- .0023	+16 2 30.17	7.501	.46	- .005	5	1.33	1286
1064	9.5†	B. D. + 20° 1842...	28 51.460	3.5321	.008	...	+20 23 20.57	7.579	.47	...	3	1.46	1287
1065	8.7†	B. D. + 20° 1844...	29 14.640	3.5354	.008	...	+20 32 11.69	7.611	.47	...	3	1.52	1289
1066	4.3	69 Geminorum.....v	7 29 45.672	+3.7048	-0.011	- .0016	+27 7 4.82	- 7.653	- .50	- .109	5	1.52	1290*
1067	8.8†	W. B. (2) VII. 835...	31 3.627	3.5275	.008	...	+20 16 25.72	7.758	.47	...	3	1.12	1291
1068	6.8	Piazzi VII. 144.....	31 12.758	3.5300	.009	.000	+20 22 56.04	7.770	.47	- .100	5	1.59	1292†
1069	9.0†	B. D. - 19° 1960...	31 27.840	2.6442	.000	...	-19 10 14.71	7.790	.35	...	2	2.11	1293
1070	6.8	Mayer 318.....	31 41.048	3.4996	.008	- .002	+19 8 36.54	7.807	.47	- .06	5	1.53	1294
1071	6.3	Mayer 319.....	7 32 11.342	+3.6350	-0.010	.000	+24 35 4.36	- 7.848	- .49	+ .04	5	2.94	1295
1072	9.0†	W. B. (2) VII. 901...	33 12.468	3.4317	.007	...	+16 19 24.83	7.930	.46	...	5	1.97	1297
1073	9.0†	B. D. - 19° 1981...	33 36.435	2.6414	.000	...	-19 21 26.65	7.962	.35	...	2	1.13	1298
1074	5.3	74 Geminorum	33 42.130	3.4684	.008	- .0019	+17 54 8.15	7.970	.46	+ .018	12	2.14	1299
1075	8.0†	W. B. (2) VII. 947...	34 33.920	3.5079	.009	...	+19 35 19.03	8.039	.47	...	5	3.16	1300
1076	6.3	Lalande 14921.....	7 34 59.314	+3.5978	-0.010	...	+23 14 58.93	- 8.072	- .48	...	5	2.55	1301
1077	8.7†	W. B. (2) VII. 960...	35 10.878	3.6719	-0.011	...	+26 7 14.44	8.089	.49	...	5	3.17	1302
1078	8.2†	B. D. + 21° 1661....	35 17.252	3.5584	-0.010	...	+21 40 45.65	8.096	.47	...	5	1.73	1303
1079	8.2†	C. Z. VII. 2555.....	36 40.863	2.2554	+0.001	...	-33 49 12.74	8.208	.30	...	7	2.41	1305
1080	8.7†	B. D. + 23° 1795...	37 2.617	3.6025	-0.010	...	+23 30 51.76	8.238	.48	...	3	2.13	1306

1068. Proper Motion from *Cincinnati Pub*, 14

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1081	7.0	Piazzi VII. 182.....	^h 7 ^m 37 ^s 56.110	+3.6262	-0.011	...	+24° 28' 53".56	-8.308	-0.48	...	4	2.89	1308
1082	5.5	76 Geminorum.....	38 1.014	3.6660	.012	-0.0028	+26 1 20.50	8.315	.48	-0.026	5	3.16	1309
1083	3.6	77 Geminorum.....	38 24.695	3.6296	.011	-0.0014	+24 38 16.27	8.346	.48	-0.060	11 : 12	2.15 : 2.24	1310*
1084	7.8	B. D. + 23° 1801 ..	38 32.220	3.6027	.011	...	+23 35 4.33	8.356	.47	...	3	2.49	1311
1085	1.3	78 Geminorum.....	39 11.722	3.7247	.013	-0.0470	+28 16 4.01	8.409	.49	-0.056	10	3.21	1312*
1086	6.3	79 Geminorum.....	7 39 17.160	+3.5271	-0.009	-0.0037	+20 33 22.38	-8.415	-0.46	+0.020	5	2.97	1313
1087	8.0†	W. B. (2) VII. 1089	39 44.732	3.6889	.012	...	+26 58 2.16	8.452	.48	...	5	3.16	1314
1088	7.5	Lalande 15073.....	40 13.640	3.5459	.010	...	+21 21 52.00	8.491	.47	...	5	2.54	1315
1089	5.0	81 Geminorum.....	40 20.106	3.4833	.009	-0.0062	+18 45 14.51	8.499	.46	-0.044	5	1.40	1316
1090	7.7†	W. B. (2) VII. 1105.	40 26.276	3.4349	.008	...	+16 40 52.92	8.506	.45	...	5	2.76	1317
1091†	6.3	82 Geminorum.....	7 42 34.908	+3.5934	-0.011	-0.0019	+23 23 18.93	-8.676	-0.47	+0.015	5	1.16	1320
1092	7.1	Lalande 15169.....	43 17.682	3.6266	.011	...	+24 44 18.02	8.733	.47	...	5	1.94	1321
1093	6.8	W. B. (2) VII. 1113	43 41.436	3.6719	.013	...	+26 30 51.04	8.763	.48	...	5	2.21	1323
1094	8.1†	B. D. + 17° 1684...	44 52.090	3.4419	.008	...	+17 7 54.74	8.856	.45	...	5	2.57	1324
1095	7.2	Lalande 15246.....	44 52.822	3.3956	.008	...	+15 5 39.29	8.857	.44	...	5	1.19	1325
1096	8.6†	W. B. (2) VII. 1210.	7 44 54.338	+3.6406	-0.012	...	+25 21 47.68	-8.859	-0.47	...	5	2.40	1326
1097	6.2	Mayer 330.....	46 7.864	3.4976	.010	-0.006	+19 34 52.39	8.955	.45	-0.01	5	2.19	1329
1098	6.7	Lalande 15331.....	46 32.603	2.8799	.001	...	-9 8 59.93	8.988	.37	...	3	1.80	1331
1099	7.1	84 Geminorum.....	47 4.752	3.5688	.011	-0.0016	+22 35 30.71	9.029	.46	+0.005	5	2.60	1332
1100	4.9	83 Geminorum.....	47 22.680	3.6806	.013	-0.0020	+27 1 28.36	9.053	.47	-0.027	21 : 23	2.39 : 2.41	1334*
1101	7.1	Lalande 15364.....	7 48 16.148	+3.4202	-0.008	...	+16 17 46.08	-9.122	-0.44	...	5	2.97	1336
1102	7.0	Lalande 15355.....	48 20.068	3.5378	.010	...	+21 21 55.88	9.127	.46	...	5	3.18	1337
1103	8.7†	Lalande 15372.....	48 53.297	3.6122	.012	...	+24 25 50.07	9.170	.46	...	3	2.12	1339
1104	7.4	Lalande 15395.....	49 2.916	3.4666	.009	...	+18 21 42.99	9.183	.45	...	5	1.76	1340
1105	8.4†	Lalande 15401.....	49 30.440	3.6164	.012	...	+24 37 33.51	9.218	.46	...	3	2.20	1341
1106	9.5†	B. D. + 24° 1803....	7 49 45.400	+3.6155	-0.012	...	+24 36 22.07	-9.237	-0.46	...	3	2.84	1343
1107	5.3	85 Geminorum.....	49 49.810	3.5074	.010	-0.0028	+20 8 53.00	9.244	.45	-0.035	5	3.20	1344
1108	8.8†	Lalande 15412.....	49 50.537	3.6125	.012	...	+24 29 30.24	9.244	.46	...	3	2.12	1345
1109	7.7	W. B. (2) VII. 1346	49 59.816	3.6232	.012	...	+24 55 44.67	9.257	.47	...	5	3.19	1346
1110	6.5	W. B. (2) VII. 1348.	50 7.540	3.5972	.012	...	+23 53 16.73	9.267	.46	...	5	3.21	1347
1111	8.2†	Lalande 15437.....	7 50 42.448	+3.6590	-0.013	...	+26 22 13.28	-9.311	-0.47	...	5	2.61	1350
1112	6.0	1 Cancri.....	51 18.805	3.4125	.009	-0.0021	+16 3 27.01	9.358	.44	-0.044	6	1.51	1353*
1113	6.0	Piazzi VII. 261.....	52 49.234	3.4276	.009	...	+16 47 16.75	9.474	.44	...	5	2.34	1355
1114	8.5†	Lalande 15528.....	53 1.540	3.5342	.011	...	+21 25 25.12	9.491	.45	...	5	2.77	1357
1115	6.1	2 Cancri.....	54 52.909	3.6356	.013	+0.0003	+25 39 59.74	9.633	.46	-0.004	9	2.07	1361*
1116	7.1	Bradley 1142.....	7 54 55.300	+3.4648	-0.010	.000	+18 31 10.36	-9.636	-0.44	+0.002	5	1.76	1362
1117	6.3	Piazzi VII. 272.....	54 58.480	3.5008	.010	...	+20 5 25.36	9.640	.44	...	4	3.16	1363
1118	6.4	Lalande 15590.....	55 2.525	3.5905	.012	...	+23 51 29.14	9.646	.46	...	4	3.23	1364
1119	5.7	3 Cancri.....	55 3.542	3.4436	.009	-0.0022	+17 34 58.04	9.647	.44	+0.01	9 : 8	3.26	1365*
1120	6.3	4 Cancri.....	55 41.883	3.6270	.013	-0.0024	+25 21 53.49	9.696	.46	+0.014	3	3.16	1367

1091. 6.3, 13.5 3.8 36° 1899.0.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1121	5.9	5 Cancri.....	h m s 7 55 48.352	+3.4238	-.009	-.0018	+16° 43' 51".37	-9".04	-.43	+".003	5	2.98	1368
1122	8.1†	Lalande 15646.....	56 15.547	3.4978	.011	...	+20 0 51.57	9.739	.44	...	3	1.83	1369
1123	7.1	Piazzi VII. 286.....	57 4.104	3.3897	.008	...	+15 13 38.65	9.800	.43	...	5	1.98	1372
1124	6.9	7 Cancri.....	57 56.310	3.5507	.012	-.0051	+22 21 4.16	9.866	.45	+".009	5	2.00	1374
1125	8.9†	B. D. - 20° 2350...	58 16.830	2.6366	.000	...	-20 32 54.16	9.893	.33	...	2	2.25	1375
1126	7.3	W. B. (2) VII. 1547.	7 58 36.298	+3.5249	-.011	...	+21 17 22.35	-9.917	-.44	...	5	2.58	1376
1127	6.1	Lalande 15735.....	58 58.530	3.4747	.010	...	+19 7 29.50	9.945	.44	...	5	2.77	1379
1128	9.5†	B. D. - 20° 2361...	59 32.295	2.6362	.000	...	-20 37 37.34	9.988	.33	...	2	2.11	1380
1129	8.0†	Piazzi VII. 295.....	59 37.748	3.4466	.010	...	+17 54 19.86	9.996	.43	...	5	2.81	1381
1130	9.2†	O. A. 7898.....	59 42.097	2.7186	.000	...	-16 58 51.91	10.001	.34	...	3	1.85	1382
1131	9.1†	W. B. (2) VII. 1588.	8 0 10.270	+3.4544	-.010	...	+18 16 40.59	-10.036	-.43	...	3	2.54	1385
1132	6.2	9 Cancri.....	0 22.940	3.5612	.012	-.0028	+22 55 16.26	10.052	.45	+".005	5	2.19	1386
1133	8.7†	B. D. - 18° 2159...	0 45.780	2.6720	.000	...	-19 6 50.16	10.081	.33	...	2	3.17	1388
1134	7.8†	Lalande 15838.....	1 37.854	3.4943	.011	...	+20 6 23.31	10.147	.44	...	5	2.38	1389
1135	8.3†	Lalande 15839.....	1 52.490	3.5925	.013	...	+24 18 27.21	10.166	.45	...	6 : 5	3.19 : 3.24	1390
1136	5.5	10 Cancri.....	8 1 52.826	+3.5347	-.012	+".0019	+21 52 19.77	-10.166	-.44	-.084	5	1.78	1391*
1137	9.0†	B. D. + 25° 1853...	2 5.884	3.6091	.013	...	+25 0 16.37	10.182	.45	...	5	3.23	1393
1138	8.1†	W. B. (2) VII. 1646.	2 18.000	3.6296	.014	...	+25 50 34.78	10.197	.45	...	5	3.23	1394
1139	8.4†	Lalande 15861.....	2 21.454	3.4799	.011	...	+19 30 28.95	10.201	.43	...	5	2.64	1395
1140	8.7†	Lalande 15870.....	2 26.228	3.4175	.009	...	+16 42 18.98	10.207	.42	...	5	3.21	1396
1141	6.2	12 Cancri.....	8 3 7.158	+3.3570	-.008	-.0008	+13 55 54.90	-10.259	-.42	-.019	5	2.19	1397
1142	8.8†	B. D. - 19° 2264...	4 21.395	2.6689	.000	...	-19 25 2.47	10.351	.33	...	2	2.11	1401
1143	5.9	14 Cancri.....	4 25.860	3.6258	.014	-.0072	+25 48 38.44	10.357	.45	-.351	5	1.82	1402†
1144	6.1	Lalande 15968.....	5 21.842	3.3765	.009	...	+14 55 31.18	10.427	.42	...	5	2.76	1403
1145	7.4	W. B. (2) VIII. 40...	5 56.230	3.4102	.010	...	+16 30 50.49	10.469	.42	...	5	2.17	1405
1146†	4.6	16 Cancri.....	8 6 28.694	+3.4410	-.011	+".0051	+17 56 57.35	-10.510	-.42	-.128	27 : 28	2.67 : 2.62	1406*
1147	6.4	Lalande 16053.....	7 46.220	3.5640	.013	...	+23 26 19.16	10.606	.44	...	5	1.99	1409
1148	9.0†	W. B. (2) VIII. 92..	7 56.940	3.5437	.013	...	+22 34 51.78	10.620	.43	...	5	2.79	1411
1149	6.8	Lalande 16081.....	8 36.964	3.5068	.012	...	+21 0 36.44	10.669	.43	...	5	2.41	1413
1150	8.9†	B. D. + 25° 1880...	8 44.204	3.6006	.014	...	+25 2 15.94	10.678	.44	...	5	3.01	1414
1151	6.5	Lalande 16100.....	8 8 47.510	+3.3407	-.008	...	+13 21 4.05	-10.683	-.41	...	5	3.19	1415
1152	7.6†	Lalande 16130.....	10 13.120	3.4602	.011	...	+18 59 59.52	10.787	.42	...	5	2.59	1416
1153	9.7†	B. D. - 18° 2237...	10 15.703	2.6956	.000	...	-18 29 45.36	10.791	.33	...	3	1.92	1417
1154	6.6	Lalande 16224.....	12 35.776	3.3929	.010	...	+15 59 18.27	10.962	.41	...	5	2.00	1418
1155	8.8†	B. D. - 19° 2344...	13 39.240	2.6690	.000	...	-19 52 49.78	11.039	.32	...	2	2.25	1419
1156	8.9†	B. D. - 19° 2348...	8 14 3.980	+2.6745	.000	...	-19 38 56.75	-11.069	-.32	...	2	3.14	1421
1157	9.5†	B. D. - 18° 2270...	14 8.467	2.6893	.000	...	-18 58 20.31	11.074	.32	...	3	1.87	1422
1158	8.0†	Lalande 16283.....	14 12.803	3.4813	.012	...	+20 9 53.49	11.080	.42	...	3	1.84	1423
1159	8.7†	W. B. (2) VIII. 246.	14 14.734	3.4725	.012	...	+19 46 0.40	11.083	.42	...	5	3.18	1424
1160	8.7†	B. D. - 20° 2480...	14 18.460	2.6619	.000	...	-20 13 57.03	11.086	.32	...	2	3.16	1425

1146. A B, 5.0, 7.5 1".2 359° 1902.3; C, 6.5, is 5".7 S.f.

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1161	6·0	Piazzi VIII. 42	^{h m s} 8 14 31·088	^s +3·5008	^s -·012	...	+21° 3' 47"·82	-11"·102	-·42	...	5	2·58	1426
1162	5·9	19 Cancri..... ^λ	14 35·464	3·5755	·014	-·0024	+24 20 14·35	11·107	·43	-·028	5	3·21	1427
1163	7·4	W. B. (2) VIII. 252.	14 41·178	3·6064	·015	...	+25 39 4·56	11·114	·43	...	5	3·20	1428
1164	7·4	W. B. (2) VIII. 284.	15 36·238	3·5256	·013	...	+22 13 36·17	11·181	·42	...	5	1·99	1429
1165	8·2†	Lalande 16332.....	15 56·918	3·5488	·014	...	+23 16 12·48	11·206	·43	...	5	3·16	1431
1166	8·5†	Lalande 16353.....	8 16 11·534	+3·4303	-·011	...	+17 55 8·61	-11·225	-·41	...	5	3·19	1432
1167	7·1	Lalande 16364.....	16 19·314	3·3471	·009	...	+13 56 31·58	11·233	·40	...	5	2·18	1433
1168	7·5	Lalande 16362.....	16 20·792	3·3707	·010	...	+15 5 10·20	11·235	·40	...	5	3·22	1434
1169	6·8	B. D. + 16° 1704...	16 52·656	3·3992	·010	...	+16 28 53·76	11·274	·41	...	5	3·18	1435
1170	5·7	20 Cancri..... ^{d1}	17 38·308	3·4446	·011	-·0038	+18 39 12·22	11·329	·41	-·031	17 : 18	2·54 : 2·46	1440*
1171	9·0†	B. D. - 19° 2374...	8 18 4·917	+2·6833	·000	...	-19 27 35·86	-11·361	-·32	...	3	2·17	1441
1172	7·2	Lalande 16452.....	19 1·580	3·4823	-·012	...	+20 28 34·88	11·429	·41	...	5	2·93	1443
1173	6·2	25 Cancri..... ^{d2}	20 10·286	3·4147	·011	-·0144	+17 22 32·46	11·510	·40	-·143	5	1·80	1445
1174†	7·2	24 Cancri.....	20 43·012	3·5785	·015	-·0053	+24 51 46·60	11·550	·42	-·080	5	2·93	1446
1175	5·8	27 Cancri	21 12·140	3·3238	·009	-·0026	+12 59 4·79	11·584	·39	-·093	5	3·19	1447
1176	8·7†	W. B. (2) VIII. 429.	8 21 19·626	+3·4601	-·012	...	+19 34 55·85	-11·594	-·41	...	5	3·19	1448
1177	8·0†	Lalande 16554.....	21 31·910	3·5457	·014	...	+23 28 50·46	11·608	·42	...	5	2·98	1449
1178	9·1†	W. B. (2) VIII. 454.	22 13·912	3·3916	·011	...	+16 21 47·89	11·658	·40	...	5	2·39	1450
1179	7·0	Lalande 16582.....	22 17·756	3·5001	·013	...	+21 28 53·69	11·663	·41	...	5	2·39	1451
1180	6·1	28 Cancri.....	22 41·098	3·5665	·015	-·0042	+24 28 36·52	11·690	·42	-·057	5	2·23	1453
1181	5·9	29 Cancri	8 23 2·568	+3·3536	-·010	-·0017	+14 32 31·18	-11·715	-·39	-·022	5	3·16	1454*
1182	9·0†	B. D. + 22° 1941 ...	24 5·738	3·5170	·014	...	+22 21 46·70	11·790	·41	...	5	1·64	1456
1183	5·7	30 Cancri..... ^{v1}	25 35·774	3·5607	·015	-·0072	+24 25 6·09	11·896	·41	-·059	5	2·96	1460
1184	5·5	31 Cancri..... ^θ	25 53·682	3·4305	·012	-·0039	+18 25 56·71	11·917	·40	-·068	5	3·16	1461*
1185	9·6†	B. D. + 15° 1835 <i>pr.</i>	25 54·773	3·3666	·010	...	+15 18 59·81	11·918	·39	...	3	2·17	1462
1186	6·7	Mayer 360	8 25 57·180	+3·4491	-·012	-·002	+19 19 29·91	-11·921	-·40	-·01	5	3·20	1463
1187	5·6	33 Cancri	26 55·610	3·4788	·013	-·0025	+20 46 51·35	11·990	·40	-·055	24	2·53	1464*
1188	8·0†	Lalande 16792.....	27 0·638	3·3809	·011	...	+16 4 41·97	11·996	·39	...	5	3·18	1465
1189	6·4	32 Cancri..... ^{v2}	27 5·500	3·5585	·015	-·0074	+24 25 29·93	12·002	·41	-·037	5	3·21	1466
1190	8·3†	B. D. + 15° 1845...	28 11·206	3·3584	·010	...	+15 0 52·95	12·078	·39	...	5	2·58	1468
1191	6·4	Mayer 363	8 28 12·736	+3·3303	-·010	-·002	+13 35 58·07	-12·080	-·38	-·02	5	1·86	1469
1192	9·2†	B. D. - 19° 2459...	29 33·490	2·6879	+·001	...	-19 54 5·60	12·174	·31	...	2	2·72	1471
1193	8·7†	W. B. (2) VIII. 635.	29 40·427	3·3781	-·011	...	+16 4 26·03	12·182	·39	...	3	3·14	1472
1194	9·4†	W. B. (2) VIII. 645.	29 55·083	3·3758	-·011	...	+15 58 13·62	12·198	·39	...	3	2·21	1473
1195	9·1†	B. D. - 20° 2599...	30 23·670	2·6667	+·001	...	-20 57 43·52	12·232	·30	...	2	2·27	1474
1196	6·3	Mayer 366.....	8 30 31·312	+3·3690	-·011	·000	+15 39 34·65	-12·240	-·38	-·03	5	1·86	1476
1197	7·7†	W. B. (2) VIII. 665.	30 49·740	3·5107	-·014	...	+22 31 10·27	12·262	·40	...	5	3·15	1477
1198	9·0†	W. B. (2) VIII. 676.	30 57·613	3·4323	-·012	...	+18 48 56·43	12·271	·39	...	6	3·22	1478
1199	9·0†	B. D. - 20° 2608...	31 17·650	2·6699	+·001	...	-20 51 56·56	12·294	·30	...	2	2·23	1479
1200	6·7	Mayer 367.....	32 2·908	3·4476	-·013	-·003	+19 36 57·47	12·345	·39	+·01	5	1·84	1480

1174. 7·2, 7·8 5·8 41° 1868.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1201	8.3†	Lalande 16959.....	^h 8 ^m 32 ^s 37.072	+3.4664	-.013	...	+20° 33' 24.65	-12.385	-.39	...	5	2.07	1481
1202	8.4†	Lalande 16974.....	32 49.398	3.4016	-.012	...	+17 24 34.05	12.398	.38	...	5	2.98	1483
1203	6.8	Lalande 16964.....	32 52.572	3.5406	-.015	-.0065	+24 2 23.50	12.403	.40	-.135	5	3.00	1484†
1204	9.0†	B. D. - 19° 2486...	33 47.920	2.7049	+.001	...	-19 20 40.03	12.466	.30	...	2	2.21	1486
1205	9.4†	C. Z. VIII. 2770.....	34 12.370	2.3961	+.003	...	-32 54 5.83	12.493	.27	...	3	2.23	1488
1206	6.8	B. D. + 19° 2069...	8 34 36.466	+3.4461	-.013	...	+19 42 9.22	-12.520	-.39	...	5	2.06	1489
1207	8.2†	Lalande 17070.....	35 2.416	3.3463	.010	...	+14 43 57.54	12.550	.37	...	5	2.81	1490
1208	8.0†	Lalande 17139.....	37 16.300	3.3846	.012	...	+16 48 29.03	12.702	.38	...	5	2.04	1495
1209	4.7	43 Cancri.....	37 30.014	3.4861	.014	-.0071	+21 49 41.63	12.718	.39	-.043	19	2.45	1496*
1210	5.5	45 Cancri.....A ¹	37 41.758	3.3114	.010	-.0012	+13 2 22.34	12.731	.37	+.010	5	3.15	1497
1211	9.3†	B. D. - 19° 2510...	8 38 51.210	+2.7039	+.001	...	-19 43 14.79	-12.809	-.30	...	2	2.26	1499
1212	4.1	47 Cancri.....	39 0.207	3.4166	-.013	-.0008	+18 31 18.74	12.819	.38	-.240	14	2.45	1500*
1213	8.2†	Lalande 17234.....	40 5.272	3.4527	-.014	...	+20 23 14.23	12.891	.38	...	5	2.04	1505
1214	8.3†	W. B. VIII. 985.....	40 38.824	3.3350	-.010	...	+14 25 36.20	12.929	.37	...	5	2.45	1506
1215	8.3†	W. B. (2) VIII. 966.	40 39.906	3.4999	-.015	...	+22 43 1.53	12.931	.38	...	5	3.18	1507
1216	9.1†	B. D. + 16° 1815...	8 40 43.348	+3.3728	-.011	...	+16 24 3.98	-12.934	-.37	...	5	3.25	1508
1217	9.0†	B. D. - 19° 2519...	40 48.830	2.7041	+.001	...	-19 50 20.53	12.941	.30	...	2	2.21	1509
1218	5.7	50 Cancri.....A ²	41 27.138	3.2976	-.009	-.0063	+12 28 37.10	12.983	.36	-.034	5	2.62	1511
1219	7.7†	Lalande 17309.....	42 27.220	3.3973	-.012	...	+17 45 47.77	13.049	.37	...	5	1.86	1515
1220	6.1	Mayer 387.....	45 3.692	3.4221	-.013	-.004	+19 12 18.73	13.222	.37	+.01	5	2.06	1520
1221	9.1†	W. B. (2) VIII. 1065	8 45 21.540	+3.3652	-.012	...	+16 16 30.24	-13.241	-.36	...	3	1.57	1522
1222	9.1†	W. B. (2) VIII. 1064	45 26.877	3.4511	.014	...	+20 41 13.15	13.247	.37	...	3	2.29	1523
1223	6.3	54 Cancri.....	45 27.346	3.3547	.011	-.0100	+15 43 17.69	13.247	.36	+.077	5	2.98	1524
1224	8.0†	Piazzi VIII. 183.....	45 34.970	3.3668	.012	...	+16 22 20.44	13.256	.36	...	3	1.90	1525
1225	9.0†	Lalande 17414.....	45 36.816	3.4663	.015	...	+21 27 16.12	13.258	.37	...	5	3.23	1526
1226	8.4†	W. B. VIII. 1146...	8 46 53.878	+3.3138	-.010	...	+13 36 40.74	-13.342	-.36	...	5	2.04	1528
1227	8.2†	Mayer 392.....	48 10.970	3.3343	.011	.000	+14 47 14.02	13.426	.36	.00	3	1.57	1530
1228	6.8	Piazzi VIII. 195.....	48 12.170	3.4403	.014	...	+20 20 43.83	13.427	.37	...	5	3.19	1531
1229	7.0	Lalande 17525.....	48 14.142	3.3235	.011	...	+14 12 30.40	13.429	.35	...	5	2.27	1532
1230	8.0†	Lalande 17528.....	48 31.828	3.4848	.015	-.0094	+22 35 44.79	13.449	.37	-.199	5	3.25	1533†
1231	9.2†	B. D. + 14° 1990...	8 48 49.320	+3.3340	-.011	...	+14 48 34.68	-13.467	-.36	...	3	2.89	1534
1232	8.3†	Lalande 17552.....	48 54.953	3.3304	-.011	...	+14 37 23.62	13.473	.35	...	3	2.26	1535
1233	9.3†	B. D. - 20° 2708...	48 58.755	2.6912	+.001	...	-21 3 59.68	13.478	.29	...	2	3.25	1536
1234	6.5	Mayer 394.....	49 45.014	3.3854	-.012	-.001	+17 36 43.03	13.527	.36	+.01	5	1.88	1539
1235	5.7	60 Cancri.....	50 27.992	3.2814	-.010	-.0009	+12 0 29.89	13.574	.35	-.019	5	1.85	1541*
1236	9.5†	B. D. + 17° 1975...	8 50 34.230	+3.3858	-.012	...	+17 41 20.00	-13.580	-.36	...	3	2.58	1542
1237	6.3	Mayer 397.....	51 31.027	3.3816	.012	-.003	+17 31 42.81	13.641	.36	-.03	3	2.26	1543
1238	5.1	62 Cancri.....O ¹	51 40.382	3.3475	.011	+.0029	+15 42 22.70	13.650	.35	+.033	5	2.24	1544
1239	5.7	63 Cancri.....O ²	52 0.206	3.3519	.012	+.0031	+15 57 55.41	13.672	.35	+.036	5	2.63	1545
1240	8.9†	Lalande 17654.....	52 14.020	3.4213	.014	...	+19 40 8.21	13.687	.36	...	5	3.25	1546

1227. Magnitude from A. G. C.

1203. Proper Motion from *Cincinnati Pub.*, 14.
1230. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1241	6.5	Lalande 17669.....	8 52 38.916	+3.4021	-0.13	...	+18° 41' 41.05	-13.713	-0.36	...	5	2.04	1547
1242	4.3	65 Cancri.....a	53 1.144	3.2836	0.10	+0.024	+12 14 42.04	13.737	0.34	-0.042	14	2.17	1548*
1243	8.1†	Lalande 17690.....	53 11.362	3.4565	0.15	...	+21 33 15.49	13.747	0.36	...	5	2.27	1549
1244	6.8	Mayer 402.....	53 57.108	3.3044	0.10	0.000	+13 27 45.47	13.796	0.34	-0.05	5	1.84	1552
1245	7.1	68 Cancri.....	56 6.974	3.3748	0.13	-0.026	+17 28 23.75	13.933	0.35	+0.023	5	1.23	1558
1246	8.9†	Lalande 17801.....	8 56 30.252	+3.3291	-0.11	...	+14 59 29.31	-13.957	-0.34	...	5	2.26	1559
1247	7.6†	Lalande 17818.....	57 0.230	3.4573	0.15	...	+21 54 45.77	13.988	0.36	...	5	2.05	1560
1248	8.1	Lalande 17837.....	57 37.358	3.4777	0.16	...	+23 0 22.95	14.027	0.36	...	5	1.44	1563
1249	9.1†	W. B. (2) VIII. 1375	58 43.594	3.3935	0.13	...	+18 40 31.76	14.097	0.35	...	5	2.26	1565
1250	8.9†	W. B. VIII. 1441...	59 1.834	3.2847	0.10	...	+12 36 56.42	14.115	0.33	...	5	2.65	1566
1251	9.4†	W. B. (2) VIII. 1390	8 59 5.520	+3.3310	-0.11	...	+15 15 0.39	-14.119	-0.34	...	3	1.91	1567
1252	8.4†	Lalande 17905.....	8 59 48.554	3.4135	0.14	...	+19 50 4.79	14.164	0.35	...	5	1.65	1568
1253	8.7†	B. D. + 15° 1975...	9 0 3.093	3.3288	0.11	...	+15 11 25.41	14.178	0.34	...	3	1.91	1569
1254	7.3	Lalande 17932.....	9 0 38.538	3.3472	0.12	...	+16 15 43.20	14.214	0.34	...	5	1.64	1570
1255	7.7	Lalande 17937.....	9 1 1.060	3.4318	0.15	-0.047	+20 54 54.83	14.238	0.35	-0.184	5	2.28	1571†
1256†	6.9	Lalande 17954.....	9 1 41.144	+3.4779	-0.16	-0.130	+23 22 56.15	-14.279	-0.35	+0.045	5	2.26	1572†
1257	5.0	76 Cancri.....k	2 19.919	3.2553	0.09	-0.012	+11 4 14.54	14.319	0.33	-0.013	17	2.28	1575*
1258	7.5	74 Cancri.....	2 36.656	3.3246	0.11	...	+15 6 52.24	14.336	0.33	...	5	1.86	1577
1259	8.2†	Lalande 18007.....	2 59.010	3.3592	0.12	...	+17 6 19.60	14.359	0.34	...	5	2.09	1578
1260	9.5†	W. B. (2) VIII. 1499	3 14.737	3.3539	0.12	...	+16 49 25.08	14.375	0.33	...	3	2.90	1579
1261	5.2	77 Cancri.....ε	9 3 36.671	+3.4566	-0.16	+0.011	+22 27 0.21	-14.397	-0.35	+0.002	16	2.41	1580*
1262	6.5	Mayer 408.....	4 20.354	3.2688	0.10	-0.003	+11 58 18.17	14.441	0.32	-0.05	5	1.45	1581
1263	6.1	79 Cancri.....	4 36.244	3.4540	0.16	-0.004	+22 24 10.15	14.457	0.34	+0.018	5	2.05	1582
1264	8.5†	Lalande 18081.....	5 14.614	3.3955	0.14	...	+19 17 44.52	14.496	0.34	...	5	2.30	1583
1265	8.7	Lalande 18111.....	5 57.268	3.2898	0.11	...	+13 17 57.11	14.538	0.32	...	5	3.19	1584
1266	8.7†	W. B. (2) IX. 59....	9 6 4.560	+3.4209	-0.15	...	+20 45 47.10	-14.547	-0.34	...	5	3.26	1585
1267	7.1	Lalande 18120.....	6 4.984	3.2243	-0.09	...	+9 23 6.48	14.547	0.32	...	5	1.43	1586
1268	6.8	80 Cancri.....	6 19.954	3.3788	-0.13	-0.053	+18 27 13.58	14.562	0.33	-0.008	5	1.88	1587
1269	9.7†	O. A. 9441.....	7 2.070	2.7453	+0.02	...	-19 39 10.27	14.604	0.27	...	3	2.22	1589
1270	6.1	Bradley 1299.....	7 54.670	3.4351	-0.16	-0.019	+21 41 42.86	14.656	0.34	-0.016	5	1.85	1590
1271	8.3†	Lalande 18179.....	9 7 59.762	+3.2448	-0.09	...	+10 43 6.85	-14.661	-0.32	...	5	2.30	1591
1272	8.7†	Lalande 18217.....	9 24.516	3.3391	0.12	...	+16 25 8.60	14.746	0.32	...	5	2.42	1592
1273	5.6	82 Cancri.....π	9 42.662	3.3206	0.12	-0.029	+15 21 23.01	14.763	0.32	+0.020	5	2.47	1593
1274	9.0†	Lalande 18247.....	10 24.116	3.4090	0.15	...	+20 29 21.59	14.804	0.33	...	5	3.02	1594
1275	6.9	Piazzi IX. 25.....	10 50.360	3.3859	0.14	-0.135	+19 13 37.33	14.829	0.33	0.000	5	2.03	1595†
1276	8.9†	W. B. IX. 178.....	9 11 53.592	+3.2871	-0.11	...	+13 29 59.36	-14.892	-0.31	...	6:5	2.74 : 2.65	1598
1277	7.1	Lalande 18295.....	12 0.630	3.4611	0.17	...	+23 29 51.11	14.899	0.33	...	5	2.63	1599
1278	8.5	Lalande 18305.....	12 4.006	3.3477	0.13	...	+17 7 24.67	14.902	0.32	...	5	3.27	1600
1279	6.3	Mayer 411.....	12 25.888	3.2607	0.10	-0.002	+11 55 12.37	14.923	0.31	-0.02	5	2.84	1601
1280	7.2	Lalande 18323.....	12 30.970	3.2034	0.08	...	+8 21 54.22	14.928	0.31	...	5	3.27	1602

1256, 6.9, 7.3 7" 2 201°.

1255. Proper Motion from *Cincinnati Pub.*, 13.
1256, 1275. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
			h m s	s	s	s							
1281	6.6	83 Cancri.....	9 13 24.047	+3.3632	-0.014	-0.0076	+18° 7' 45".37	-14.980	-0.32	-0.137	15	2.61	1604*
1282	7.3	Mayer 413	14 7.936	3.2317	.009	-0.003	+10 12 41.48	15.022	.31	+0.04	5	2.28	1605
1283	9.3†	B. D. + 14° 2073...	14 33.957	3.3005	.011	...	+14 29 12.22	15.047	.31	...	3	2.23	1606
1284	6.4	Lalande 18412.....	15 44.148	3.3207	.012	...	+15 47 44.44	15.114	.31	...	5	1.28	1608
1285	6.6	Piazzi IX. 55.....	15 50.992	3.2836	.011	...	+13 32 16.37	15.121	.31	...	5	2.26	1609
1286	6.8	Lalande 18414.....	9 15 52.180	+3.3409	-0.013	...	+17 1 26.35	-15.122	-0.31	...	5	3.21	1610
1287	7.7	Lalande 18422.....	16 10.570	3.3769	-0.014	-0.0050	+19 10 27.29	15.140	.32	-0.102	5	2.66	1611†
1288	8.3†	Lalande 18424.....	16 17.568	3.4247	-0.016	...	+21 55 26.49	15.147	.32	...	5	3.07	1612
1289	8.0*	Lacaille 3787.....	16 22.790	2.5914	+0.004	...	-28 47 43.20	15.152	.24	...	3	2.22	1613
1290	7.8	Lalande 18481.....	18 8.768	3.4017	-0.015	-0.0115	+20 47 29.62	15.252	.32	+0.030	5	1.66	1615†
1291	9.3†	B. D. + 11° 2027...	9 18 16.864	+3.2485	-0.010	...	+11 29 27.73	-15.260	-0.30	...	5	2.27	1616
1292	7.1	Lalande 18508.....	18 55.880	3.3625	.014	...	+18 34 17.81	15.297	.31	...	5	2.27	1617
1293	6.6	Bradley 1321.....	19 7.700	3.3901	.015	-0.0077	+20 13 9.10	15.308	.31	-0.115	5	2.65	1618
1294	8.9†	Lalande 18544.....	19 39.312	3.2371	.009	...	+10 50 45.00	15.337	.30	...	5	2.68	1620
1295	8.4†	Lalande 18579.....	21 19.190	3.3067	.012	...	+15 21 48.18	15.431	.30	...	3	1.56	1621
1296	7.1	Piazzi IX. 84.....	9 21 27.798	+3.2966	-0.012	...	+14 44 14.43	-15.439	-0.30	...	5	1.87	1622
1297	5.6	2 Leonis.....	23 6.186	3.2136	.009	+0.0024	+9 29 32.56	15.530	.29	+0.018	5	2.25	1623
1298	6.9	Lalande 18616.....	23 8.106	3.2646	.010	...	+12 49 16.62	15.532	.30	...	5	1.65	1624
1299	5.9	3 Leonis.....	23 9.738	3.2004	.008	-0.0043	+8 37 28.46	15.533	.29	+0.002	5	1.90	1625
1300	8.4†	Lalande 18622... ..	23 23.724	3.3748	.015	...	+19 43 24.77	15.546	.30	...	5	2.29	1626
1301	7.8†	Lalande 18636.....	9 23 43.724	+3.4017	-0.016	...	+21 21 4.35	-15.565	-0.31	...	5	3.25	1627
1302	7.5	Lalande 18647.....	23 59.036	3.3471	.014	...	+18 5 20.15	15.578	.30	...	5	2.90	1628
1303	6.8	Lalande 18662.....	24 43.228	3.4151	.016	...	+22 15 5.20	15.619	.31	...	5	1.47	1629
1304	8.0†	Lalande 18685.....	25 14.344	3.2795	.011	...	+13 56 8.42	15.647	.29	...	5	2.23	1630
1305	7.4	Lalande 18703.....	26 6.808	3.3823	.015	...	+20 26 54.26	15.695	.30	...	5	2.48	1631
1306	7.8	Lalande 18704.....	9 26 8.370	+3.3140	-0.012	...	+16 12 37.46	-15.696	-0.29	...	5	2.67	1632
1307	5.0	5 Leonis	26 33.407	3.2448	-0.010	-0.0063	+11 44 33.63	15.719	.29	-0.084	21	2.12	1634*
1308	5.2	6 Leonis.....	26 36.006	3.2209	-0.009	-0.0005	+10 9 24.47	15.721	.29	+0.009	5	2.28	1635
1309	7.5	Lalande 18758.....	27 14.724	3.1811	-0.008	...	+7 30 18.81	15.757	.28	...	5	3.06	1636
1310	9.2†	B. D. - 21° 2833...	27 17.020	2.7500	+0.003	...	-21 19 9.27	15.758	.24	...	2	2.20	1638
1311	9.2†	B. D. - 19° 2734...	9 27 20.170	+2.7769	+0.003	...	-19 41 12.59	-15.761	-0.24	...	2	2.27	1639
1312	9.2†	B. D. - 21° 2838...	28 13.550	2.7517	+0.003	...	-21 18 47.45	15.810	.24	...	2	2.20	1641
1313	8.3†	Piazzi IX. 119.....	29 22.184	3.1963	-0.008	...	+8 37 55.96	15.870	.28	...	5	1.29	1643
1314	6.7	Mayer 423.....	29 34.112	3.2621	-0.011	-0.001	+13 6 0.96	15.881	.28	-0.02	5	2.26	1644
1315	6.2	7 Leonis.....	30 25.033	3.2871	-0.012	-0.0031	+14 49 33.58	15.926	.29	-0.004	3	2.25	1645
1316	7.2	Lalande 18843.....	9 30 25.272	+3.3756	-0.015	...	+20 29 30.29	-15.926	-0.29	...	5	2.29	1646
1317	9.0†	B. D. + 10° 2026...	30 27.018	3.2200	.009	...	+10 18 56.93	15.928	.28	...	5	3.24	1647
1318	8.5†	Lalande 18861.....	30 51.130	3.3570	.014	...	+19 22 32.66	15.949	.29	...	5	2.71	1648
1319	8.4†	B. D. + 12° 2067...	30 58.120	3.2425	.010	...	+11 52 47.52	15.956	.28	...	3	1.56	1649
1320	5.9	8 Leonis.....	31 31.610	3.3171	.013	-0.0025	+16 53 10.09	15.985	.29	-0.002	5	1.87	1650

1287, 1290. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R. A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1321	5.2	1 Sextantis.....	h m s 9 31 55.920	s +3.1751	s -0.008	s -0.0051	+ 7 17' 2"90	-16.007	-0.27	-0.008	5	2.27	1651*
1322	7.9†	B. D. + 18° 2232...	32 32.294	3.3298	.013	...	+17 48 22.23	16.038	.29	...	5	2.46	1652
1323	6.5	11 Leonis.....	32 33.900	3.2841	.012	-0.0063	+14 47 56.63	16.040	.28	-0.057	5	2.48	1653
1324	6.7	Piazzi IX. 135.....	33 18.097	3.3748	.015	...	+20 44 55.05	16.078	.29	...	12	2.43	1654
1325	7.7†	Lalande 18941.....	33 23.574	3.2307	.010	...	+11 13 47.78	16.083	.27	...	5	2.46	1655
1326	8.7†	W. B. IX. 697.....	9 34 10.348	+3.2501	-0.010	...	+12 37 6.10	-16.123	-0.28	...	5	2.49	1656
1327	6.8	Lalande 18986.....	35 9.408	3.2620	.011	+0.0014	+13 30 35.85	16.174	.28	-0.125	5	2.25	1658†
1328	3.7	14 Leonis.....	35 48.851	3.2159	.009	-0.0096	+10 20 50.44	16.209	.27	-0.033	13	1.91	1660*
1329	6.8	B. D. + 9° 2226....	35 54.894	3.2031	.009	...	+ 9 27 2.55	16.214	.27	...	5	2.86	1661
1330	9.1†	W. B. IX. 741.....	36 9.450	3.2096	.009	...	+ 9 55 11.11	16.226	.27	...	3	2.27	1662
1331	8.5†	Lalande 19017.....	9 36 16.784	+3.3003	-0.012	...	+16 12 35.73	-16.233	-0.28	...	5	3.08	1663
1332	8.2†	Lalande 19036.....	36 47.672	3.3193	-0.013	...	+17 32 14.14	16.259	.28	...	5	3.08	1665
1333	5.0	Lalande 19093.....	37 43.543	2.7348	+0.004	-0.0288	-23 27 59.19	16.307	.23	+0.246	3	2.23	1666†
1334	7.1	Piazzi IX. 158.....	37 46.650	3.3652	-0.015	...	+20 39 0.93	16.309	.28	...	5	2.28	1667
1335	5.6	16 Leonis.....	38 17.208	3.2724	-0.011	-0.0002	+14 28 45.33	16.335	.27	-0.009	5	2.49	1668*
1336	6.5	Lalande 19096.....	9 38 56.448	+3.3429	-0.014	...	+19 19 24.76	-16.368	-0.27	...	5	2.28	1669
1337	9.0†	B. D. + 14° 2139...	40 37.378	3.2614	.011	...	+13 54 38.59	16.452	.26	...	5	2.29	1670
1338	6.0	B. D. + 7° 2181....	40 53.580	3.1682	.008	...	+ 7 10 12.30	16.466	.26	...	5	2.26	1671
1339	5.8	18 Leonis.....	41 0.138	3.2380	.010	-0.0016	+12 16 14.83	16.471	.26	+0.029	5	3.07	1672
1340	9.4†	W. B. IX. 846.....	41 23.683	3.2377	.010	...	+12 16 50.97	16.491	.26	...	3	2.59	1673
1341	6.7	Lalande 19181.....	9 41 58.204	+3.1926	-0.009	...	+ 9 2 1.76	-16.520	-0.26	...	5	3.06	1674
1342	6.4	19 Leonis.....	42 3.443	3.2336	.010	-0.0064	+12 1 50.39	16.524	.26	+0.032	3	2.28	1675
1343	8.0†	Lalande 19205.....	42 25.304	3.2128	.009	...	+10 32 17.57	16.542	.26	...	5	2.08	1676
1344	7.8	Lalande 19231.....	43 34.034	3.3234	.014	...	+18 31 21.95	16.598	.26	...	5	2.28	1679
1345	8.5†	Lalande 19242.....	43 45.400	3.2788	.012	...	+15 25 21.43	16.608	.26	...	5	2.28	1680
1346†	6.8	Lacaille 4026.....	9 44 12.720	+2.7091	+0.005	...	-25 57 1.32	-16.630	-0.21	...	3	1.27	1682
1347	8.5†	Lalande 19280.....	45 19.892	3.3390	-0.015	...	+19 47 26.67	16.685	.26	...	5	2.27	1683
1348	6.7	23 Leonis.....	45 37.364	3.2503	-0.011	+0.0023	+13 32 1.49	16.698	.26	-0.004	12	2.36	1684†
1349	8.5†	Lalande 19297.....	45 44.850	3.2952	-0.013	...	+16 47 16.31	16.705	.26	...	5	3.27	1685
1350	9.0†	W. B. IX. 980.....	47 51.094	3.2018	-0.009	...	+10 4 43.84	16.806	.25	...	5	1.87	1686
1351	9.0†	Lalande 49362.....	9 47 59.240	+3.2223	-0.010	...	+11 38 31.01	-16.812	-0.25	...	5	2.06	1687
1352	6.3	Lalande 19376.....	48 27.876	3.1541	.007	...	+ 6 25 45.98	16.835	.24	...	5	2.30	1688
1353	7.1	Mayer 436.....	48 49.012	3.1810	.008	.000	+ 8 32 47.87	16.852	.24	+0.01	5	2.27	1689
1354	9.0†	W. B. IX. 1028.....	50 15.830	3.1750	.008	...	+ 8 9 6.82	16.920	.24	...	3	2.22	1691
1355	8.5†	W. B. (2) IX. 1020..	50 26.232	3.3052	.014	...	+18 0 58.99	16.928	.25	...	5	1.67	1692
1356	6.0	Bradley 1393.....	9 51 7.928	+3.1903	-0.009	-0.0074	+ 9 24 25.36	-16.960	-0.24	+0.016	5	1.68	1693*
1357	7.8†	Lalande 19442.....	51 11.358	3.2658	.012	-0.003	+15 12 7.86	16.963	.25	-0.11	5	2.31	1694†
1358	8.4†	Lalande 19467.....	51 51.346	3.3271	.015	...	+19 45 53.96	16.994	.25	...	5	2.87	1697
1359	7.4	Lalande 19479.....	52 5.752	3.2878	.013	...	+16 56 6.62	17.005	.25	...	5	1.86	1698
1360	8.7†	W. B. IX. 1074.....	52 28.622	3.2493	.011	...	+14 4 58.64	17.023	.24	...	5	3.08	1699

1346. 6.9, 9.9 2"0 22° 1898.3.

1327. Proper Motion from *Cincinnati Pub.* 13.
1333, 1357. Proper Motion from *Cincinnati Pub.* 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1361	6.2	Bradley 1396.....	^{h m s} 9 52 49.798	^s +3.1812	^s -0.008	^s -0.0003	+ 8° 47' 28".81	-17.039	-0.24	-0.015	5	2.48	1700
1362	5.1	27 Leonis.....	52 50.676	3.2338	0.010	-0.0028	+12 55 18.91	17.040	0.24	-0.027	5	2.51	1701*
1363	7.3	Lalande 19515.....	53 18.297	3.2143	0.010	...	+11 26 13.24	17.061	0.24	...	3	1.95	1702
1364	7.3	Lalande 19517.....	53 25.406	3.2078	0.009	...	+10 56 7.50	17.066	0.24	...	5	2.31	1703
1365	5.0	29 Leonis.....	54 55.779	3.1763	0.008	-0.0029	+ 8 31 26.74	17.135	0.23	-0.027	17	2.14	1705*
1366	8.2†	W. B. IX. 1129.....	9 54 58.822	+3.1541	-0.007	-0.012	+ 6 43 45.94	-17.138	-0.23	+0.07	5	1.90	1706†
1367	8.0†	Lalande 19552.....	55 13.150	3.2978	0.013	...	+18 2 44.82	17.148	0.24	...	5	2.51	1707
1368	8.2†	Lalande 19567.....	55 42.840	3.1869	0.008	...	+ 9 25 53.62	17.171	0.23	...	5	2.50	1708
1369	8.7†	B. D. + 5° 2269.....	55 44.446	3.1384	0.006	...	+ 5 28 33.12	17.172	0.23	...	5	3.29	1709
1370	8.8†	Lalande 19572.....	55 57.932	3.2492	0.011	...	+14 24 28.96	17.182	0.24	...	5	3.28	1710
1371	7.1	Mayer 441.....	9 58 14.176	+3.1964	-0.009	-0.001	+10 22 57.63	-17.283	-0.23	+0.02	5	1.27	1713
1372	8.0†	Lalande 19635.....	58 23.854	3.3109	0.014	-0.0148	+19 26 10.32	17.291	0.24	0.000	5	2.08	1714†
1373	7.0	Mayer 442.....	58 47.140	3.2170	0.010	0.000	+12 6 44.10	17.308	0.23	0.00	5	2.30	1715
1374	8.2†	Lalande 19679.....	59 34.242	3.1367	0.006	...	+ 5 29 19.64	17.342	0.22	...	5	2.70	1717
1375	7.3*	Lacaille 4128.....	59 45.910	2.7180	0.007	...	-27 53 36.21	17.351	0.19	...	3	1.56	1718
1376	7.2	Mayer 443.....	9 59 47.448	+3.1720	-0.008	+0.002	+ 8 28 32.60	-17.352	-0.22	-0.01	5	2.30	1719
1377	6.3	Mayer 444.....	10 0 15.404	3.2666	0.012	-0.005	+16 14 37.53	17.372	0.23	-0.02	5	1.68	1720
1378	7.4	Lalande 19724.....	10 1 14.842	3.2284	0.011	...	+13 16 9.96	17.415	0.23	...	5	2.32	1721
1379	8.1†	Piazzi IX. 243.....	10 1 19.498	3.1181	0.006	-0.0070	+ 3 57 48.29	17.419	0.22	-0.066	5	2.90	1722†
1380	6.3	14 Sextantis.....	10 1 33.680	3.1428	0.007	-0.0047	+ 6 5 56.62	17.429	0.22	+0.018	5	2.71	1725
1381	9.1†	B. D. + 14° 2202....	10 1 38.470	+3.2448	-0.011	...	+14 38 44.29	-17.432	-0.23	...	5	3.34	1726
1382	8.7†	W. B. IX. 1271.....	1 50.150	3.1797	0.008	...	+ 9 15 29.58	17.441	0.22	...	3	1.56	1727
1383	3.6	30 Leonis.....	1 52.912	3.2769	0.013	-0.0022	+17 15 1.30	17.443	0.23	-0.004	14	2.01	1728*
1384	7.2	Lalande 19735.....	2 14.602	3.2563	0.012	...	+15 38 53.46	17.459	0.23	...	5	2.88	1729
1385	4.6	31 Leonis.....	2 35.890	3.1936	0.009	-0.0082	+10 29 16.13	17.474	0.22	-0.038	5	2.71	1731
1386	1.4	32 Leonis.....	10 3 2.778	+3.2165	-0.010	-0.0169	+12 27 22.06	-17.493	-0.22	-0.002	12	2.81	1733*
1387	9.0†	W. B. IX. 1311.....	3 34.587	3.1768	0.008	...	+ 9 7 50.47	17.516	0.22	...	3	1.27	1735
1388	6.8	16 Sextantis.....	4 0.486	3.1479	0.007	-0.0018	+ 6 39 39.67	17.533	0.22	+0.011	5	1.84	1736
1389	8.5†	Lalande 19783.....	4 39.392	3.2903	0.014	0.0000	+18 41 6.23	17.561	0.22	-0.270	5	1.89	1738†
1390	8.8†	Lalande 19809.....	5 32.794	3.2435	0.011	...	+14 58 30.34	17.599	0.22	...	5	1.67	1739
1391	8.7†	Lalande 19816.....	10 5 38.576	+3.1643	-0.008	...	+ 8 11 13.50	-17.603	-0.21	...	5	2.34	1740
1392	6.4	34 Leonis.....	6 15.584	3.2292	0.011	+0.0031	+13 50 55.59	17.629	0.22	-0.05	5	1.67	1741
1393	8.9†	Lalande 19826.....	6 21.000	3.2761	0.013	...	+17 46 6.93	17.632	0.22	...	5	2.29	1742
1394	5.9	19 Sextantis.....	7 36.132	3.1286	0.006	-0.0063	+ 5 6 32.10	17.684	0.21	+0.019	12	1.78	1745
1395	7.3	Lalande 19874.....	8 2.984	3.1114	0.005	...	+ 3 34 4.84	17.702	0.21	...	5	2.30	1746
1396	8.2†	Lalande 19877.....	10 8 12.392	+3.1792	-0.008	...	+ 9 40 51.76	-17.709	-0.21	...	5	2.71	1747
1377	8.7†	Lalande 19882.....	8 31.028	3.1975	0.009	...	+11 20 13.54	17.721	0.21	...	5	2.89	1748
1398	7.3	Mayer 451.....	9 6.430	3.2581	0.012	-0.001	+16 38 4.63	17.745	0.21	0.00	5	2.31	1750
1399	8.7†	Lalande 19904.....	9 29.816	3.1401	0.007	...	+ 6 14 46.08	17.762	0.20	...	5	2.90	1752
1400	8.5†	Lalande 19909.....	9 39.983	3.1782	0.008	...	+ 9 42 32.68	17.768	0.21	...	3	1.24	1753

1366, 1372, 1379, 1389. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Lodger 1900-4.
1401	7.9†	Lalande 19912.....	10 9 49.812	+3.2055	-.010	...	+12° 10' 15.25	-17.775	-.21	...	5	2.08	1754
1402	9.2†	W. B. X. 130.....	10 27.868	3.1524	.007	...	+ 7 25 23.66	17.801	.20	...	5 : 4	2.89 : 2.80	1755
1403	5.5	37 Leonis.....	11 18.738	3.2270	.011	-.0033	+14 13 37.53	17.835	.21	-.025	5	1.67	1758
1404	9.2†	W. B. X. 144.....	11 39.444	3.1659	.008	...	+ 8 44 39.05	17.849	.20	...	5	2.71	1759
1405	5.4	22 Sextantis.....	12 39.640	2.9922	.000	-.0106	- 7 34 9.84	17.888	.19	+.004	17	2.53	1761*
1406	7.1	Mayer 454.....	10 13 2.362	+3.2125	-.010	-.017	+13 7 20.14	-17.903	-.20	-.03	5	1.86	1762
1407	6.6	Lalande 20002.....	13 31.498	3.2692	.013	...	+18 12 25.54	17.922	.21	...	5	2.52	1763
1408	8.0†	Lalande 20021.....	14 10.058	3.1818	.009	...	+10 25 18.91	17.947	.20	...	5	2.72	1765
1409	9.2†	Lalande 20055.....	15 3.842	3.1573	.007	...	+ 8 11 29.53	17.982	.20	...	5	2.48	1767
1410	8.1†	Lalande 20054.....	15 7.276	3.1963	.009	...	+11 51 18.68	17.984	.20	...	5	2.31	1768
1411	8.7†	Lalande 20060.....	10 15 19.716	+3.1148	-.005	...	+ 4 7 32.34	-17.992	-.19	...	5	3.10	1769
1412	8.1†	Lalande 20068.....	15 30.432	3.1253	.006	...	+ 5 9 1.03	17.999	.19	...	5	1.52	1770
1413	6.3	23 Sextantis.....	15 52.198	3.1009	.005	-.0017	+ 2 47 33.78	18.013	.19	+.018	5	2.07	1771
1414	6.1	42 Leonis.....	16 27.699	3.2338	.012	-.0051	+15 28 47.26	18.036	.20	-.022	12	2.81	1773†
1415	8.0†	Lalande 20092.....	16 35.088	3.1877	.009	...	+11 12 15.19	18.040	.20	...	5	2.91	1774
1416	7.0	Mayer 458.....	10 16 57.822	+3.1692	-.008	-.002	+ 9 28 8.27	-18.055	-.19	.00	5	2.12	1776
1417	8.4†	Lalande 20109.....	17 10.146	3.2523	.013	...	+17 14 46.34	18.062	.20	...	5	2.87	1777
1418	6.3	43 Leonis.....	17 46.512	3.1436	.007	-.0028	+ 7 3 0.88	18.086	.19	-.091	6	1.29	1778
1419	8.9†	Lalande 20139.....	18 4.062	3.2201	.011	...	+14 24 39.56	18.096	.19	...	5	2.29	1779
1420	8.0†	Lalande 20181.....	19 38.894	3.2055	.010	...	+13 14 14.12	18.156	.19	...	5	1.90	1782
1421	5.9	44 Leonis.....	10 19 59.040	+3.1647	-.008	.000	+ 9 17 35.26	-18.168	-.19	-.02	5	1.27	1783
1422	8.8†	W. B. X. 299.....	20 8.950	3.1284	.006	...	+ 5 41 3.01	18.174	.19	...	5	2.32	1785
1423	8.5†	Lalande 20205.....	20 21.977	3.1223	.006	...	+ 5 4 43.98	18.182	.18	...	3	2.32	1786
1424	6.6	Lalande 20224.....	20 57.900	3.1158	.005	...	+ 4 26 26.49	18.204	.18	...	5	2.08	1787
1425	7.8†	W. B. IX. 325.....	21 24.684	3.2127	.011	...	+14 8 8.30	18.221	.19	...	5	2.30	1788
1426	6.6	Lalande 20260.....	10 21 54.096	+3.1884	-.009	...	+11 49 33.09	-18.238	-.19	...	5	1.27	1789
1427	8.7†	W. B. X. 339.....	22 11.552	3.1473	.007	...	+ 7 43 33.22	18.249	.18	...	5	2.27	1790
1428	5.9	45 Leonis.....	22 22.138	3.1724	.008	-.0011	+10 16 20.19	18.255	.18	+.015	4	1.37	1791
1429	7.7†	W. B. (2) X. 406.....	23 3.818	3.2220	.011	...	+15 15 52.31	18.280	.19	...	5	2.29	1793
1430	7.2	W. B. (2) X. 408.....	23 4.598	3.2324	.012	...	+16 15 58.42	18.281	.19	...	5	2.53	1794
1431	7.1	W. B. (2) X. 412.....	10 23 19.670	+3.2463	-.013	...	+17 38 38.29	-18.290	-.19	...	5	2.28	1795
1432	7.1	Mayer 462.....	23 27.843	3.2172	.011	-.005	+14 51 16.44	18.295	.18	+.01	3	1.59	1797
1433	8.0†	Lalande 20323.....	23 48.482	3.1023	.005	...	+ 3 9 32.54	18.307	.18	...	5	2.89	1798
1434	8.6†	Lalande 20342.....	24 35.873	3.1536	.007	...	+ 8 33 22.68	18.335	.18	...	4	1.58	1799
1435	7.4	Lalande 20357.....	25 13.676	3.1437	.007	...	+ 7 34 17.45	18.357	.18	...	5	1.47	1800
1436	8.3†	Lalande 20376.....	10 25 48.610	+3.1270	-.006	...	+ 5 51 15.65	-18.378	-.17	...	5	2.27	1801
1437	8.9†	Lalande 20382.....	26 14.848	3.1822	.009	...	+11 40 54.47	18.393	.18	...	5	2.32	1802
1438	5.8	46 Leonis.....	26 51.540	3.2104	.011	-.0040	+14 39 2.12	18.414	.18	+.024	5	2.09	1805
1439	8.0†	Lalande 20406.....	26 58.146	3.1983	.010	...	+13 25 59.83	18.418	.18	...	5	2.53	1806
1440	3.8	47 Leonis.....	27 32.801	3.1632	.008	-.0004	+ 9 49 16.65	18.438	.17	-.003	25	2.31	1807*

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1441	8.9†	Lalande 20431.....	h m s 10 28 9.298	+3.2160	-.011	...	+15° 24' 42".92	-18".458	-.18	...	5	2.34	1809
1442	9.4†	Lalande 20454.....	28 45.400	3.1373	.006	...	+ 7 8 46.77	18.479	.17	...	3	2.25	1811
1443	8.5†	B. D. + 4° 2351...	29 7.366	3.1141	.005	...	+ 4 37 39.55	18.491	.17	...	5	2.70	1813
1444	5.2	48 Leonis.....	29 35.056	3.1396	.006	-.0072	+ 7 28 7.11	18.507	.17	+ .046	5	1.30	1814*
1445†	5.7	49 Leonis.....	29 47.418	3.1550	.007	-.0043	+ 9 10 1.71	18.514	.17	+ .007	5	1.54	1815
1446	6.7	Lalande 20484.....	10 29 56.754	+3.0966	-.004	...	+ 2 43 16.24	-18.519	-.17	...	5	2.26	1816
1447	9.0†	Lalande 20494.....	30 48.590	3.2214	.012	+ .0105	+16 23 43.12	18.548	.17	-.215	5	2.32	1819†
1448	8.9†	Lalande 20516.....	31 25.032	3.1752	.009	+ .007	+11 32 32.88	18.568	.17	-.06	5	1.89	1821†
1449	7.5	Lalande 20522.....	31 43.120	3.1918	.010	...	+13 23 6.79	18.578	.17	...	5	1.31	1824
1450	8.7†	Lalande 20529.....	31 56.856	3.1597	.008	...	+ 9 53 39.05	18.585	.16	...	5	2.08	1825
1451	7.9†	Lalande 20566.....	10 33 15.142	+3.1280	-.006	...	+ 6 26 1.09	-18.628	-.16	...	5	1.52	1826
1452	6.7	50 Leouis.....	33 32.796	3.2195	.012	+ .0019	+16 38 52.74	18.637	.16	-.008	12	2.23	1827
1453	8.2†	W. B. (2) X. 635...	33 50.022	3.2062	.011	...	+15 15 10.49	18.646	.16	...	5	2.69	1828
1454	8.1†	Mayer 470.....	34 27.863	3.1526	.007	-.007	+ 9 21 48.63	18.667	.16	+ .01	6	3.14	1829
1455	9.0†	Lalande 20614.....	35 9.458	3.1151	.005	...	+ 5 3 41.09	18.689	.16	...	5	2.30	1830
1456	8.0†	W. B. X. 583.....	10 35 19.906	+3.1801	-.009	...	+12 36 1.05	-18.694	-.16	...	5:4	2.28	1831
1457	8.2†	Lalande 20630.....	36 9.054	3.1487	.007	...	+ 9 5 6.28	18.720	.16	...	5	2.53	1832
1458	9.1†	W. B. X. 606.....	36 25.394	3.1355	.006	...	+ 7 33 28.10	18.728	.16	...	5	3.09	1834
1459	8.9†	Lalande 20651.....	36 46.870	3.1906	.010	...	+13 59 39.87	18.740	.16	...	5	2.93	1835
1460	7.3	Lalande 20654.....	37 0.976	3.1633	.008	...	+10 52 44.36	18.747	.16	...	5	1.91	1837
1461	7.6	W. B. X. 624.....	10 37 13.740	+3.0837	-.003	...	+ 1 23 5.80	-18.754	-.15	...	5	2.89	1838
1462	6.6	34 Sextantis.....	37 27.676	3.1062	.005	-.0059	+ 4 6 20.10	18.761	.15	+ .028	12	2.14	1839*
1463	6.1	35 Sextantis.....	38 9.448	3.1154	.005	.0000	+ 5 16 20.47	18.782	.15	-.009	5	2.30	1840
1464	6.6	36 Sextantis.....	40 0.306	3.0964	.004	-.0053	+ 3 0 50.37	18.838	.15	+ .006	5	1.53	1842
1465	6.3	37 Sextantis.....	40 53.305	3.1271	.006	-.0010	+ 6 54 0.72	18.864	.15	-.040	11	1.86	1843*
1466	8.8†	W. B. X. 680.....	10 41 1.386	+3.1523	-.008	...	+10 2 41.68	-18.868	-.15	...	5	2.90	1844
1467	6.8	Lalande 20748.....	41 1.892	3.1788	.009	...	+13 16 29.69	18.869	.15	...	5	1.91	1845
1468	5.6	52 Leonis.....	41 7.520	3.1908	.010	-.0109	+14 43 21.56	18.872	.15	-.064	5	2.95	1846
1469	8.5†	Lalande 20755.....	41 20.672	3.1655	.009	-.004	+11 42 51.17	18.878	.15	-.13	5	3.32	1847†
1470	7.9†	Lalande 20759.....	41 23.622	3.1130	.005	-.0178	+ 5 10 33.86	18.879	.15	-.175	5	2.76	1848†
1471	8.4†	Lalande 20821.....	10 43 30.434	+3.1397	-.007	...	+ 8 44 56.10	-18.941	-.14	...	5	1.33	1850
1472	9.0†	W. B. X. 739.....	43 40.306	3.0870	.003	...	+ 1 55 52.70	18.945	.14	...	5	2.29	1851
1473	5.3	53 Leonis.....	44 0.097	3.1575	.008	+ .0001	+11 4 27.97	18.955	.14	-.033	20	2.47	1852*
1474	7.1	Piazzi X. 172.....	45 46.938	3.1029	.004	...	+ 4 7 13.52	19.005	.14	...	5	1.30	1854
1475	6.8	Lalande 20876.....	45 53.086	3.1634	.009	...	+12 6 34.58	19.008	.14	...	5	1.90	1855
1476	8.5†	Lalande 20883.....	10 45 59.214	+3.1266	-.006	...	+ 7 17 36.77	-19.010	-.14	...	5	1.90	1856
1477	8.2†	Lalande 20885.....	46 4.912	3.1447	.007	...	+ 9 40 48.88	19.013	.14	...	5	2.52	1857
1478	8.0†	Piazzi X. 179.....	46 57.828	3.1311	.006	...	+ 7 59 33.75	19.038	.14	...	5	2.70	1858
1479	6.3	Lalande 20919.....	47 5.438	3.0837	.003	...	+ 1 33 22.31	19.041	.13	...	5	2.29	1859
1480	8.1	Lalande 20925.....	47 25.344	3.1126	.005	-.020	+ 5 32 4.70	19.051	.13	-.04	5	1.53	1861†

1445. 5.8, 8.5 2" 5 159° 1876.3.

1447, 1470. Proper Motion from *Cincinnati Pub.*, 13.
 1448, 1469. Proper Motion from *Cincinnati Pub.*, 14.
 1480. Proper Motion from *Cincinnati Pub.*, 12.

No.	Mag.	Name.	Mean R.A. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	Mean Dec. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1481	6.5	Lalande 20929.....	^h 10 ^m 47 ^s 28.776	+3.0747	-.002	...	+ 0° 19' 48".70	-19.052	-.13	...	5	1.31	1862
1482	8.5†	Lalande 20963.....	48 42.506	3.0951	.004	...	+ 3 11 25.97	19.085	.13	...	5	2.26	1863
1483	7.5	Lalande 20970.....	49 1.558	3.1656	.009	...	+12 54 13.10	19.093	.13	...	5	1.34	1864
1484	6.1	55 Leonis	50 33.742	3.0811	.002	+ .0057	+ 1 16 12.61	19.134	.13	+ .008	5	1.31	1866
1485	9.2†	W. B. X. 875.....	50 35.960	3.1473	.007	...	+10 39 22.95	19.135	.13	...	5	2.26	1867
1486	6.1	56 Leonis	10 50 49.964	+3.1191	-.005	-.0018	+ 6 43 8.06	-19.141	-.13	+ .027	5	1.34	1868
1487	8.2†	Lalande 21033.....	51 28.244	3.1711	.009	...	+ 4 5 32.28	19.157	.13	...	5	2.32	1869
1488	8.2†	W. B. X. 893.....	51 33.928	3.0680	.001	...	- 0 38 3.68	19.160	.12	...	5	2.33	1870
1489	6.9	Lalande 21045.....	52 1.362	3.0738	.002	...	+ 0 13 23.50	19.171	.12	...	5	1.36	1871
1490	8.1†	Lalande 21086.....	53 39.364	3.0874	.003	...	+ 2 15 56.70	19.213	.12	...	5	1.31	1874
1491	7.0	Piazzi X. 204.....	10 54 19.524	+3.1421	-.007	...	+10 28 0.32	-19.230	-.12	...	5	1.71	1876
1492	8.5†	Lalande 21101.....	54 20.446	3.1238	.006	-.0118	+ 7 45 40.80	19.230	.12	-.201	5	2.28	1877†
1493	8.7†	W. B. X. 938.....	54 24.520	3.1046	.004	...	+ 4 53 22.93	19.232	.12	...	5	2.91	1878
1494	6.4	Piazzi X. 205.....	54 27.570	3.1541	.008	...	+12 14 26.38	19.233	.12	...	5	2.92	1879
1495	5.1	58 Leonis..... ^d	55 23.817	3.0993	.004	+ .0004	+ 4 9 15.83	19.256	.12	-.022	15	2.52	1881*
1496	5.1	59 Leonis	10 55 33.840	+3.1154	-.005	-.0057	+ 6 38 19.32	-19.260	-.12	.000	5	2.30	1883
1497	6.2	Lacaille 4552.....	55 55.893	2.8481	+ .013	...	-31 18 19.44	19.269	.11	...	3	1.35	1884
1498	9.3†	B. D. + 1° 2511.....	57 15.364	3.0810	-.002	...	+ 1 23 7.71	19.300	.11	...	5	2.29	1886
1499	7.1	Piazzi X. 220.....	57 20.104	3.1341	-.007	...	+ 9 42 39.37	19.302	.11	...	5	1.34	1887
1500	6.1	62 Leonis..... ^p	58 29.508	3.0756	-.002	-.0071	+ 0 32 15.40	19.329	.11	+ .017	5	1.71	1892
1501	8.4†	Lalande 21226.....	10 59 8.686	+3.1078	-.004	...	+ 5 45 48.96	-19.344	-.11	...	5	2.29	1893
1502*	6.8	Piazzi X. 232.....	10 59 12.454	3.0678	.001	...	- 0 44 21.01	19.346	.11	...	5	3.10	1894
1503	6.7	Piazzi X. 231.....	10 59 18.274	3.1544	.009	...	+13 12 22.30	19.348	.11	...	5	2.52	1895
1504	4.6	63 Leonis..... ^x	10 59 51.498	3.1203	.006	-.0234	+ 7 52 35.99	19.361	.11	-.041	16	2.71	1896*
1505	8.8†	W. B. X. 1041.....	11 0 26.414	3.1492	.008	...	+12 37 45.35	19.374	.11	...	5	2.31	1898
1506	8.0†	Lalande 21262.....	11 0 54.117	+3.0827	-.002	...	+ 1 45 3.64	-19.384	-.11	...	3	1.35	1899
1507†	5.6	65 Leonis..... ^p	1 48.162	3.0870	.003	-.0233	+ 2 29 53.82	19.404	.10	-.080	5	1.73	1900*
1508	7.3	Piazzi X. 244.....	1 59.908	3.1358	.007	...	+10 45 12.07	19.408	.11	...	5	2.29	1901
1509	8.7†	Lalande 21317.....	2 53.682	3.1278	.006	...	+ 9 33 53.64	19.428	.10	...	5	1.53	1903
1510	8.8†	Lalande 21320.....	3 2.554	3.1133	.005	...	+ 7 6 54.97	19.431	.10	...	5	3.10	1904
1511	7.7†	Lalande 21322.....	11 3 4.358	+3.0957	-.003	...	+ 4 4 28.80	-19.431	-.10	...	5	2.53	1905
1512	6.9	Piazzi X. 250.....	3 10.456	3.0645	.001	...	- 1 21 41.59	19.434	.10	...	5	1.91	1906
1513	8.1†	B. D. + 0° 2750.....	3 28.440	3.0722	.001	...	- 0 1 16.53	19.440	.10	...	5	3.35	1907
1514	9.0†	W. B. X. 1105.....	3 35.978	3.1038	.004	...	+ 5 32 1.05	19.443	.10	...	5	2.93	1908
1515	9.0†	B. D. + 2° 2391.....	3 52.398	3.0844	.002	...	+ 2 8 18.17	19.449	.10	...	5	3.33	1909
1516	6.8	66 Leonis.....	11 4 7.322	+3.0678	-.001	-.003	- 0 47 28.70	-19.454	-.10	+ .017	5	1.71	1910
1517	7.5	Lalande 21371.....	5 23.394	3.1385	.008	...	+11 50 39.60	19.480	.10	...	5	1.34	1913
1518	8.7†	Lalande 21436.....	7 30.554	3.1280	.007	...	+10 24 33.14	19.524	.10	...	5	2.31	1916
1519	8.7†	Lalande 21441.....	7 38.077	3.0770	.002	...	+ 0 53 32.67	19.526	.09	...	3	1.35	1917
1520	8.5†	Lalande 21446.....	7 44.017	3.0763	.001	...	+ 0 45 53.44	19.528	.09	...	3	1.67	1918

1502. B. D. and Cape 8.0 mag.
1507. 5.6, 11.0 2.0 93° 1899.1.

1492. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1521	9.5†	B. D. + 0° 2760	h m s 11 8 10.287	+3.0757	-.001	...	+ 0° 39' 11".05	-19.536	-.09	...	3	2.30	1920
1522	5.3	69 Leonis.....p ^b	8 38.443	3.0748	.001	-.0028	+ 0 28 28.65	19.545	.09	+ .011	12	2.66	1921
1523	6.8	Lalande 21467.....	8 45.034	3.0869	.002	...	+ 2 48 50.30	19.548	.09	...	5	2.74	1922
1524	5.8	Piazzi XI. 12.....	8 50.082	3.1171	.006	...	+ 8 36 28.62	19.549	.09	...	5	2.73	1923
1525	8.0†	Lalande 21481.....	9 9.188	3.0972	.003	...	+ 4 50 28.94	19.555	.09	...	5	3.18	1924
1526	8.5†	Piazzi XI. 15.....	11 9 12.370	+3.0796	-.002	...	+ 1 25 53.03	-19.556	-.09	...	6 : 5	3.32 : 3.33	1925
1527	8.0†	Lalande 21487.....	9 22.396	3.1059	.004	...	+ 6 32 14.52	19.560	.09	...	5	1.92	1926
1528	6.7	Lalande 21492.....	9 30.638	3.0686	.001	...	- 0 43 31.09	19.563	.09	...	5	2.12	1927
1529	6.5	Piazzi XI. 22.....	10 44.382	3.1401	.008	...	+13 23 29.91	19.585	.09	...	5	2.29	1928
1530	5.4	75 Leonis.....	12 8.646	3.0847	.002	+ .0023	+ 2 33 37.25	19.611	.09	- .142	5	2.08	1930
1531	6.5	Piazzi XI. 31.....	11 13 8.056	+3.1326	-.008	...	+12 31 55.71	-19.629	-.08	...	5	2.30	1931
1532	6.0	76 Leonis.....	13 47.024	3.0826	.002	-.0051	+ 2 11 54.66	19.641	.08	- .047	5 : 6	1.91 : 1.97	1932
1533	8.7†	Lalande 21577.....	13 55.166	3.1208	.006	...	+10 17 52.69	19.643	.08	...	5	2.68	1933
1534	6.6	Lalande 21586.....	14 17.324	3.0672	.000	-.0166	- 1 6 13.49	19.649	.08	- .120	5	3.12	1934†
1535	8.7†	B. D. + 0° 2769.....	14 25.078	3.0740	.001	...	+ 0 21 46.20	19.652	.08	...	5	3.15	1935
1536	8.6†	Lalande 21593.....	11 14 35.492	+3.0915	-.003	...	+ 4 10 7.05	-19.654	-.08	...	5	2.69	1936
1537	8.1†	Lalande 21626.....	15 47.966	3.0856	.002	...	+ 2 58 15.96	19.675	.08	...	5	1.71	1938
1538	8.4†	Piazzi XI. 41.....	15 49.768	3.0966	.003	...	+ 5 25 43.62	19.676	.08	...	5	1.93	1939
1539	4.2	77 Leonis.....σ	15 58.807	3.1018	.004	-.0062	+ 6 34 38.51	19.678	.08	- .013	20	2.32	1940*
1540	8.2†	W. B. XI. 234.....	16 29.672	3.1067	.005	...	+ 7 46 16.87	19.687	.08	...	5	2.70	1941
1541	6.7	W. B. XI. 235.....	11 16 39.518	+3.1153	-.006	...	+ 9 43 1.13	-19.689	-.08	...	5	2.71	1943
1542	8.5†	B. D. + 0° 2777.....	16 49.190	3.0728	.001	...	+ 0 7 8.77	19.692	.08	...	2	2.27	1944
1543	10.0†	.....	17 56.080	3.0752	.001	...	+ 0 41 24.90	19.710	.07	...	3	2.98	1947
1544	7.0	Piazzi XI. 48.....	18 5.108	3.1027	.004	...	+ 7 8 5.03	19.712	.07	...	5	1.71	1948
1545	6.3	Piazzi XI. 50.....	18 10.718	3.0752	.001	...	+ 0 40 51.45	19.714	.07	...	6	1.81	1949
1546	9.4†	B. D. + 1° 2557.....	11 18 22.997	+3.0766	-.001	...	+ 1 0 33.52	-19.717	-.07	...	3	2.29	1951
1547	8.7†	B. D. - 2° 3337.....	18 28.184	3.0608	+ .001	...	- 2 44 18.04	19.719	.07	...	5	3.14	1952
1548†	4.1	78 Leonis.....	18 42.786	3.1192	-.006	+ .0103	+11 4 48.37	19.722	.07	- .083	5	3.39	1954*
1549	5.5	79 Leonis.....	18 54.460	3.0804	-.001	-.0034	+ 1 57 24.05	19.725	.07	+ .008	6	2.16	1955
1550	9.0†	W. B. XI. 277.....	19 11.656	3.0683	.000	-.013	- 0 58 32.43	19.730	.07	- .18	5	3.38	1956†
1551	6.1	Piazzi XI. 60.....	11 19 47.772	+3.1218	-.007	...	+11 58 47.34	-19.739	-.07	...	5	1.71	1957
1552	8.2†	Piazzi XI. 61.....	20 1.714	3.0979	.004	...	+ 6 17 21.25	19.743	.07	...	5	1.93	1958
1553	6.4	80 Leonis.....	20 41.664	3.0899	.003	-.0065	+ 4 24 38.58	19.753	.07	- .041	5	1.72	1959
1554	6.8	Piazzi XI. 69.....	21 7.382	3.1089	.005	...	+ 9 12 35.63	19.759	.07	...	5	1.89	1960
1555	6.3	83 Leonis.....	21 41.525	3.0861	.002	-.0492	+ 3 33 29.10	19.768	.07	+ .187	5	2.34	1962*
1556	7.7†	Lalande 21805.....	11 22 26.182	+3.0780	-.001	-.0024	+ 1 30 32.68	-19.778	-.07	- .128	5	3.10	1963†
1557	6.3	Piazzi XI. 77.....	22 47.094	3.0680	.000	...	- 1 8 58.16	19.783	.06	...	5	2.15	1964
1558	5.2	84 Leonis.....τ	22 47.697	3.0852	-.002	+ .0008	+ 3 24 25.14	19.783	.06	- .016	17	2.47	1965*
1559	9.3†	B. D. - 1° 2527.....	22 52.403	3.0671	+ .001	...	- 1 22 14.55	19.784	.06	...	3	1.96	1966
1560	8.1†	W. B. XI. 371.....	23 49.420	3.1116	-.006	...	+10 35 16.06	19.798	.06	...	5	2.87	1968

1548. 4.2, 7.2 2'' 2 53° 1900.4.

1534, 1556. Proper Motion from *Cincinnati Pub.*, 13.
1550. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1561†	8.0†	W. B. XI. 377.....	h m s 11 24 8.374	+3.0581	+0.002	...	- 3 53 53.91	-19.802	-0.06	...	5	2.12	1969
1562	8.0†	Lalande 21850.....	24 12.590	3.0731	0.000	...	+ 0 12 30.40	19.803	0.06	...	5	3.34	1970
1563	8.1†	Piazzi XI. 84.....	24 27.454	3.0879	-0.002	...	+ 4 19 50.16	19.806	0.06	...	5	1.72	1972
1564	6.7	Mayer 493.....	24 30.052	3.1018	-0.004	-0.003	+ 8 9 4.20	19.807	0.06	-0.01	5	1.34	1973
1565	5.1	87 Leonis.....	25 12.300	3.0637	+0.001	+0.0018	- 2 27 6.33	19.816	0.06	-0.008	5	2.30	1974*
1566	7.7†	Lalande 21909.....	11 26.53.328	+3.0682	+0.001	...	- 1 13 50.68	-19.838	-0.06	...	5	1.34	1975
1567	8.5†	Lalande 21931.....	27 47.822	3.1051	-0.005	...	+ 9 56 5.32	19.849	0.05	...	5	2.28	1976
1568	5.3	Lacaille 4776.....	27 57.270	2.9625	+0.016	...	-30 32 6.85	19.851	0.05	...	3	1.36	1978
1569	8.6†	Lalande 21937.....	27 58.070	3.0983	-0.004	...	+ 7 57 47.73	19.851	0.05	...	5	2.91	1979
1570	3.8	Hydra.....	28 4.884	2.9595	+0.017	-0.0158	-31 18 14.41	19.853	0.05	-0.055	3	2.30	1980*
1571	8.7†	W. B. XI. 444.....	11 28 15.984	+3.0767	-0.001	...	+ 1 21 21.05	-19.855	-0.05	...	5	3.37	1981
1572	9.2†	Lalande 21943.....	28 16.268	3.0874	0.002	...	+ 4 41 11.46	19.855	0.05	...	5	3.39	1982
1573	6.7	W. B. XI. 448.....	28 28.006	3.0821	0.002	...	+ 3 3 6.81	19.857	0.05	...	5	1.34	1983
1574	6.5	Lalande 21954.....	28 59.064	3.1092	0.006	...	+11 34 36.49	19.864	0.05	...	5	2.69	1984
1575	5.7	89 Leonis.....	29 14.844	3.0836	0.002	-0.0128	+ 3 36 55.93	19.867	0.05	-0.089	5	2.50	1985
1576	6.6	Lalande 21981.....	11 29 52.998	+3.0607	+0.002	...	- 3 48 26.34	-19.874	-0.05	...	5	1.35	1986
1577	8.9†	Lalande 21986.....	30 24.180	3.0937	-0.004	...	+ 7 4 33.45	19.880	0.05	...	5	2.11	1988
1578	7.0	Piazzi XI. 113.....	31 25.796	3.0917	-0.003	...	+ 6 39 45.60	19.891	0.05	...	5	1.52	1989
1579	4.5	91 Leonis.....	31 49.739	3.0716	0.000	0.0000	- 0 16 17.70	19.896	0.05	+0.039	16	2.10	1990*
1580	8.8†	Lalande 22027.....	32 0.928	3.0880	-0.003	...	+ 5 30 59.06	19.898	0.05	...	5	2.72	1991
1581	9.2†	B. D. - 0° 2460....	11 32 10.317	+3.0708	+0.001	...	- 0 31 32.62	-19.899	-0.05	...	3 : 2	2.95 : 3.28	1992
1582	8.7†	W. B. XI. 520.....	32 19.907	3.0697	0.001	...	- 0 55 50.39	19.901	0.05	...	3	2.03	1993
1583	8.4†	Lalande 22052.....	32 47.233	3.0707	0.001	...	- 0 35 51.49	19.906	0.05	...	3	2.95	1994
1584	8.2†	W. B. XI. 531.....	32 54.070	3.0694	0.001	...	- 1 2 57.48	19.907	0.04	...	3	1.66	1995
1585†	6.3	Piazzi XI. 126.....	33 17.518	3.0672	0.001	...	- 1 52 57.34	19.911	0.04	...	5	1.72	1996
1586	5.5	1 Virginis.....	11 33 18.218	+3.0960	-0.004	-0.0020	+ 8 41 16.51	-19.911	-0.04	-0.001	5	2.35	1997
1587	9.0†	Lalande 22070.....	33 23.800	3.0914	-0.003	...	+ 7 3 14.68	19.912	0.04	...	5	3.37	1998
1588	8.9†	W. B. XI. 568.....	35 10.850	3.0653	+0.002	...	- 2 45 51.96	19.929	0.04	...	5	1.72	2000
1589	6.8	Piazzi XI. 132.....	35 16.448	3.0761	0.000	...	+ 1 30 23.01	19.930	0.04	...	5	1.53	2002
1590	8.0†	Lalande 22110.....	35 20.612	3.0866	-0.003	...	+ 5 41 38.78	19.931	0.04	...	5	2.33	2003
1591	8.9†	W. B. XI. 574.....	11 35 21.662	+3.0828	-0.002	...	+ 4 12 37.63	19.931	-0.04	...	5	3.34	2004
1592	8.0†	Lalande 22120.....	35 45.368	3.0608	+0.003	...	- 4 38 37.27	19.934	0.04	...	5	3.19	2005
1593	5.4	Lacaille 4857.....	36 44.290	2.9879	+0.018	...	-31 56 38.23	19.944	0.04	...	3	1.34	2006
1594	7.0	Lalande 22155.....	37 18.024	3.0790	-0.001	...	+ 2 55 3.62	19.949	0.04	...	5	1.39	2007
1595	8.0†	W. B. XI. 624.....	38 12.620	3.0739	0.000	...	+ 0 44 26.72	19.956	0.03	...	5	2.10	2009
1596	6.2	Piazzi XI. 148.....	11 38 48.612	+3.0591	+0.004	...	- 6 7 15.88	-19.961	-0.03	...	5	1.37	2012
1597	8.9†	Lalande 22204.....	39 28.886	3.0706	+0.001	...	- 0 49 47.29	19.967	0.03	...	5	2.11	2015
1598	8.4†	Lalande 22221.....	39 59.538	3.0753	0.000	...	+ 1 27 53.64	19.971	0.03	...	5	1.92	2016
1599	4.8	2 Virginis.....	40 7.806	3.0902	-0.004	+0.0035	+ 8 48 50.40	19.972	0.03	-0.008	5	2.33	2017
1600	4.2	3 Virginis.....	40 43.194	3.0863	-0.003	-0.0014	+ 7 5 23.00	19.976	0.03	-0.186	13	1.84	2018*

1561. 8.0, 14.0 4" 9 354° 1900.2.
1585. 6.3, 10.0 5 " 0 280 1880.4.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4
1601	7.7	W. B. XI. 680.....	h m s 11 41 13.094	+3.0676	+0.002	...	- 2° 26' 49".06	-19.980	-0.03	...	5	1.71	2020
1602†	8.0†	Lalande 22255.....	41 14.954	3.0631	+0.003	...	- 4 47 36.99	19.980	0.03	...	5	2.71	2021
1603	7.5	Lalande 22259.....	41 33.762	3.0663	+0.003	...	- 3 11 9.30	19.982	0.03	...	5	1.94	2024
1604	8.4†	Lalande 22264.....	41 38.958	3.0798	-0.001	...	+ 4 1 48.96	19.982	0.03	...	5	3.16	2025
1605	9.4†	B. D. - 2° 34.15.....	42 41.050	3.0668	+0.003	...	- 3 8 32.98	19.990	0.03	...	3	1.34	2027
1606	5.2	4 Virginis.....A ¹	11 42 46.652	+3.0878	-0.004	-0.0048	+ 8 48 4.55	-19.990	-0.03	+0.024	5	1.92	2028
1607	6.2	Lalande 22312.....	43 55.290	3.0727	+0.001	-0.0170	+ 0 14 13.54	19.997	0.02	+0.007	5	1.92	2031†
1608	6.7	Lalande 22322.....	43 59.556	3.0817	-0.002	-0.0048	+ 5 44 35.65	19.998	0.02	-0.159	5	2.33	2032†
1609	7.1	W. B. XI. 725.....	44 4.498	3.0612	+0.005	...	- 6 48 17.17	19.998	0.02	...	5	2.53	2033
1610	8.2†	W. B. XI. 743.....	45 19.478	3.0695	+0.002	...	- 1 51 43.36	20.006	0.02	...	5	1.93	2034
1611	3.8	5 Virginis.....β ¹	11 45 29.082	+3.0758	0.000	+0.0494	+ 2 19 41.45	-20.007	-0.02	-0.274	14	1.95	2035*
1612	5.9	Piazzi XI. 167.....	45 55.452	3.0654	+0.004	...	- 4 46 37.75	20.009	0.02	...	5	1.73	2036
1613	8.4†	Lalande 22367.....	46 25.930	3.0826	-0.003	...	+ 7 25 56.83	20.012	0.02	...	5	2.34	2037
1614	9.2†	B. D. - 5° 33.77.....	47 51.934	3.0653	+0.004	...	- 5 40 52.90	20.019	0.02	...	5	1.55	2040
1615	6.4	Piazzi XI. 178.....	48 43.116	3.0736	+0.001	...	+ 1 6 30.40	20.023	0.01	...	5	1.72	2041
1616	7.3	Piazzi XI. 179.....	11 48 45.146	+3.0686	+0.003	...	- 3 13 9.42	-20.023	-0.01	...	5	2.32	2042
1617	8.7†	Lalande 22426.....	48 54.972	3.0718	+0.002	...	- 0 28 58.28	20.023	0.01	...	5	3.19	2043
1618	8.0†	Piazzi XI. 180.....	48 56.814	3.0784	-0.002	...	+ 5 26 6.31	20.024	0.01	...	5	3.38	2044
1619	8.8†	W. B. XI. 813.....	49 47.430	3.0704	+0.002	...	- 1 49 4.64	20.027	0.01	...	5	1.53	2046
1620	8.2†	Lalande 22451.....	49 59.826	3.0761	-0.001	...	+ 3 46 30.35	20.028	0.01	...	5	2.35	2048
1621	8.9†	Lalande 22459.....	11 50 20.862	+3.0786	-0.002	...	+ 6 22 33.98	-20.029	-0.01	...	5	1.94	2049
1622	7.6†	Lalande 22500.....	51 40.706	3.0773	-0.002	...	+ 5 54 7.45	20.034	0.01	...	5	2.12	2050
1623	6.9	Lalande 22506.....	51 54.188	3.0688	+0.004	-0.0133	- 4 13 34.81	20.034	0.01	+0.020	5	1.35	2051†
1624	8.0†	Lalande 22554.....	53 54.000	3.0685	+0.005	...	- 6 5 51.02	20.040	0.00	...	5	1.35	2054
1625	7.7	Lalande 22557.....	54 7.294	3.0706	+0.003	...	- 2 45 55.67	20.040	0.00	...	5	1.77	2055
1626	7.0	W. B. XI. 889.....	11 54 16.656	+3.0737	0.000	...	+ 2 23 4.50	-20.041	0.00	...	5	2.30	2056
1627	5.2	7 Virginis.....δ	54 49.604	3.0745	-0.001	-0.0008	+ 4 12 43.69	20.042	0.00	-0.011	5	2.94	2057*
1628	8.5†	W. B. XI. 910.....	55 20.917	3.0704	+0.004	...	- 3 59 16.83	20.043	0.00	...	3	3.42	2059
1629	9.4†	B. D. - 3° 32.19.....	55 24.103	3.0704	+0.004	...	- 4 0 7.23	20.043	0.00	...	3	3.03	2060
1630	4.6	8 Virginis.....π	55 44.926	3.0755	-0.002	-0.0009	+ 7 10 18.96	20.043	0.00	-0.032	11 : 12	2.36 : 2.29	2061*
1631	9.4†	B. D. - 3° 32.20.....	11 55 48.850	+3.0706	+0.004	...	- 3 55 44.25	-20.043	0.00	...	3	1.34	2062
1632	6.4	Mayer 511.....	55 54.526	3.0718	0.002	-0.003	- 1 12 33.59	20.044	0.00	-0.04	5	1.73	2063
1633	9.1†	B. D. - 3° 32.24.....	56 19.122	3.0709	0.003	...	- 3 38 29.58	20.044	0.00	...	5	2.74	2064
1634	8.3†	B. D. + 0° 28.80.....	56 49.856	3.0725	0.001	...	+ 0 39 34.38	20.045	0.00	...	5	3.19	2066
1635	6.5	Lalande 22642.....	57 44.496	3.0707	0.005	...	- 7 7 38.12	20.046	0.00	...	5	1.19	2068
1636	6.5	Mayer 512.....	11 58 38.166	+3.0732	-0.001	-0.013	+ 6 7 0.41	-20.046	+0.01	-0.07	5	1.57	2069
1637	7.7†	Lalande 22672.....	11 59 6.312	3.0725	+0.001	...	+ 2 1 9.79	20.047	0.01	...	5	2.30	2070
1638	7.2	Piazzi XI. 227.....	11 59 35.836	3.0725	0.000	...	+ 4 7 50.14	20.047	0.01	...	5	2.61	2071
1639	8.9†	Lalande 22701.....	12 0 8.440	3.0723	+0.002	-0.034	- 0 57 13.68	20.047	0.01	0.00	5	3.19	2072†
1640	6.8	Lalande 22708.....	12 0 27.724	3.0726	+0.005	...	- 5 17 21.20	20.047	0.01	...	5	1.21	2074

1602. 8.0, 13.0 1''9 153° 1899.4.

1607, 1608. Proper Motion from Cincinnati Pub., 13.
1623. Proper Motion from Cincinnati Pub., 14.
1639. Proper Motion from Cincinnati Pub., 12.

No.	Mag.	Name.	Mean R. A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1641	6.6	Mayer 514.....	12 0 52.544	+3.0725	+0.003	-0.0032	-2 34 27.67	-20.047	+0.01	-0.005	5	1.73	2075
1642	7.1	Mayer 515.....	2 53.332	3.0720	0.002	-0.001	+1 10 42.78	20.045	0.02	-0.03	5	1.17	2077
1643	7.6	Lalande 22767.....	3 4.918	3.0735	0.004	...	-3 43 49.78	20.045	0.02	...	5	1.58	2078
1644	8.8†	Lalande 22782.....	3 27.556	3.0745	0.005	...	-6 17 49.84	20.045	0.02	...	5	2.33	2079
1645	6.2	10 Virginia.....	4 33.862	3.0712	0.001	+0.0008	+2 27 33.33	20.043	0.02	-0.187	12	2.53	2080†
1646	9.0†	B. D. - 0° 2540.....	12 4 41.392	+3.0725	+0.002	...	-0 26 52.44	-20.043	+0.02	...	5	2.18	2082
1647	5.7	11 Virginis.....	4 57.564	3.0691	-0.001	-0.0125	+6 21 46.86	20.043	0.02	+0.039	5	1.98	2084
1648	6.5	Lalande 22833.....	5 19.308	3.0762	+0.006	...	-7 13 5.18	20.041	0.02	...	5	3.21	2085
1649	8.6†	Lalande 22853.....	6 0.637	3.0760	+0.005	...	-5 59 44.99	20.040	0.02	...	3	2.00	2086
1650	9.5†	O. A. 11971.....	6 4.425	3.0848	+0.013	...	-19 27 51.76	20.040	0.02	...	2	3.36	2087
1651	8.0†	Lalande 22861.....	12 6 11.840	+3.0757	+0.005	-0.0208	-5 22 0.14	-20.039	+0.02	-0.10	3	1.03	2088†
1652	7.1	W. B. XII. 45.....	6 14.374	3.0737	0.003	...	-2 8 26.47	20.039	0.02	...	5	2.56	2089
1653	6.8	Piazzi XII. 6.....	6 33.298	3.0692	0.000	...	+4 36 43.24	20.039	0.02	...	5	1.78	2090
1654	7.8†	W. B. XII. 61.....	7 6.390	3.0751	0.004	...	-3 50 43.06	20.037	0.02	...	5	1.96	2091
1655	8.9†	Lalande 22905.....	7 58.186	3.0717	0.002	...	+0 47 46.15	20.035	0.02	...	5	2.30	2093
1656	5.8	12 Virginis.....	12 8 20.390	+3.0630	-0.003	-0.0076	+10 49 7.70	-20.034	+0.03	-0.004	3	1.03	2095
1657	7.0	Piazzi XII. 16.....	8 49.296	3.0698	+0.001	...	+2 49 0.65	20.032	0.03	...	5	1.77	2097
1658	6.5	Mayer 518.....	9 8.009	3.0771	+0.005	-0.008	-5 9 48.67	20.031	0.03	+0.14	12	3.05	2098
1659	7.6	Lalande 22945.....	9 52.790	3.0731	+0.003	...	-0 46 14.33	20.028	0.03	...	5	2.40	2099
1660	8.2	Lalande 22955 ...pr.	9 59.472	3.0791	+0.006	-0.0164	-6 41 58.39	20.028	0.03	-0.040	5	1.98	2100†
1661	8.0†	Lalande 22958.....	12 10 7.960	+3.0671	0.000	...	+5 4 50.55	-20.027	+0.03	...	5	3.18	2101
1662	8.3†	Lalande 22993.....	11 13.332	3.0803	+0.006	...	-6 58 33.73	20.023	0.03	...	5	1.78	2103
1663	8.2†	Lalande 22999.....	11 36.418	3.0749	0.004	...	-2 11 0.80	20.021	0.03	...	5	1.77	2105
1664	8.2†	Lalande 23005.....	11 51.254	3.0712	0.002	...	+0 54 28.63	20.020	0.03	...	5	2.98	2106
1665	8.3†	Piazzi XII. 31.....	12 50.640	3.0695	0.002	...	+2 7 51.69	20.015	0.03	...	5	2.94	2107
1666	6.6	Piazzi XII. 33.....	12 13 1.716	+3.0768	+0.005	...	-3 23 37.53	-20.014	+0.03	...	5	2.19	2108
1667	5.9	13 Virginis.....	13 32.658	3.0726	0.003	-0.0001	-0 13 53.03	20.012	0.04	-0.029	5	1.77	2109
1668†	7.0	14 Virginis.....	14 11.354	3.0844	0.007	+0.0021	-8 21 31.17	20.008	0.04	-0.017	5	3.20	2112
1669	4.0	15 Virginis.....	14 47.375	3.0725	0.003	-0.0036	-0 6 39.63	20.005	0.04	-0.027	12 : 13	2.02 : 1.97	2115*
1670	9.0†	W. B. XII. 205.....	15 15.684	3.0817	0.006	...	-6 0 6.60	20.002	0.04	...	5	3.21	2116
1671	5.1	16 Virginis.....	12 15 16.201	+3.0663	+0.001	-0.0213	+3 52 9.85	-20.002	+0.04	-0.063	12	2.83	2117†
1672	8.5†	W. B. XII. 225.....	16 30.642	3.0715	0.003	...	+0 23 50.24	19.995	0.04	...	5	1.40	2119
1673	9.1†	Lalande 23162.....	17 13.612	3.0762	0.004	...	-2 13 16.16	19.990	0.04	...	5	1.96	2120
1674	7.1	Piazzi XII. 63.....	18 0.892	3.0847	0.006	...	-6 44 40.58	19.985	0.04	...	5	1.80	2124
1675	6.6	Mayer 523.....	18 6.832	3.0805	0.005	+0.001	-4 25 8.80	19.984	0.04	-0.04	5	2.99	2125
1676	5.8	6 Corvi.....	12 18 8.840	+3.1200	+0.017	-0.0027	-24 17 7.51	-19.984	+0.04	-0.016	3	1.02	2126
1677	8.8†	W. B. XII. 259.....	18 23.020	3.0699	0.002	+0.0022	+1 16 18.19	19.982	0.05	-0.172	5	3.43	2127†
1678	8.0†	Lalande 23218.....	19 33.890	3.0684	0.002	...	+1 56 15.66	19.974	0.05	...	5	1.42	2129
1679	8.9†	W. B. XII. 279.....	20 10.800	3.0734	0.003	...	-0 30 57.36	19.969	0.05	...	5	2.35	2130
1680	7.7†	Lalande 23252.....	20 54.338	3.0668	0.002	...	+2 35 44.84	19.963	0.05	...	5	2.76	2131

1668. 7.0, 14.7 3.2 165° 1901.3.

1651, 1677. Proper Motion from *Cincinnati Pub.*, 13.
1660. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1681	8.5†	Lalande 23259.....	^h 12 ^m 21 ^s 9.873	+3.0869	+0.007	...	- 6° 46' 34".90	-19.961	+ ".05	...	3	1.03	2134
1682	9.2†	B. D. - 5° 3497.....	21 19.502	3.0842	.006	...	- 5 29 11.34	19.960	.05	...	5	3.41	2135
1683	8.0†	Lalande 23271.....	21 38.850	3.0715	.003	...	+ 0 22 13.49	19.957	.05	...	5	1.78	2136
1684	8.5†	Lalande 23275.....	21 51.776	3.0789	.005	...	- 2 58 43.38	19.956	.05	...	5	3.24	2137
1685	8.2†	Piazzi XII. 89.....	22 38.968	3.0765	.004	- .0081	- 1 49 38.47	19.949	.05	- .177	5	2.41	2138†
1686	6.2	Mayer 525.....	^h 12 ^m 22 ^s 43.654	+3.0817	+0.005	- .0072	- 4 3 43.01	-19.948	+ ".05	+ .005	12	3.01	2139†
1687	6.7	Lalande 23312.....	22 47.420	3.0912	.008	- .0178	- 8 7 24.91	19.948	.05	.000	5	3.43	2141†
1688	6.8	Mayer 526.....	23 12.578	3.0606	.001	- .004	+ 4 57 1.00	19.944	.05	+ .02	5	2.22	2142
1689	9.3†	B. D. - 7° 3411.....	23 28.743	3.0909	.007	...	- 7 43 40.96	19.942	.05	...	3	1.03	2143
1690	7.8†	Lalande 23333.....	23 42.763	3.0867	.006	...	- 5 58 38.54	19.940	.05	...	3	3.04	2144
1691	7.7†	Piazzi XII. 98.....	^h 12 ^m 24 ^s 1.864	+3.0769	+0.004	...	- 1 52 34.80	-19.937	+ ".06	...	5	2.99	2146
1692	8.9†	W. B. XII. 363.....	24 15.254	3.0739	.004	...	- 0 40 47.93	19.935	.06	...	5	2.41	2147
1693	7.1	Lalande 23368.....	24 53.684	3.0862	.006	- .0088	- 5 28 7.34	19.929	.06	- .085	5	1.42	2148†
1694	8.9†	Lalande 23370.....	24 56.332	3.0887	.007	...	- 6 26 16.72	19.928	.06	...	5	3.20	2149
1695	9.4†	Lalande 23372.....	25 0.270	3.0884	.007	...	- 6 19 52.48	19.928	.06	...	3	2.04	2150
1696	7.4	Lalande 23381.....	^h 12 ^m 25 ^s 28.418	+3.0618	+0.001	...	+ 4 3 39.63	-19.923	+ ".06	...	5	1.75	2151
1697	7.9†	Lalande 23399.....	26 7.986	3.0673	.002	...	+ 1 52 47.16	19.917	.06	...	5	2.41	2152
1698	8.9†	W. B. XII. 394.....	26 10.854	3.0647	.002	...	+ 2 51 17.97	19.916	.06	...	5	3.19	2153
1699	8.8†	B. D. - 7° 3420.....	26 17.327	3.0927	.007	...	- 7 36 20.13	19.915	.06	...	3	3.44	2155
1700	6.3	Mayer 529.....	26 30.174	3.0844	.006	- .006	- 4 30 3.53	19.913	.06	+ .03	5	2.03	2156
1701	7.7†	Lalande 23433.....	^h 12 ^m 26 ^s 56.798	+3.0756	+0.004	...	- 1 13 16.51	-19.908	+ ".06	...	5	1.79	2159
1702	8.2†	W. B. XII. 420.....	27 52.058	3.0715	.003	...	+ 0 16 36.49	19.899	.06	...	5	1.79	2160
1703	5.3	21 Virginis..... <i>g</i>	28 37.016	3.0984	.008	- .0082	- 8 54 1.61	19.891	.06	+ .008	5	1.41	2161
1704	8.7†	Lalande 23493.....	29 4.742	3.0817	.005	...	- 3 10 5.08	19.886	.07	...	5	1.83	2162
1705	7.1	Mayer 531.....	29 15.660	3.0748	.004	- .005	- 0 51 23.62	19.884	.07	+ .02	5	2.34	2163
1706	8.2†	Lalande 23541.....	^h 12 ^m 30 ^s 35.412	+3.0938	+0.007	...	- 6 53 46.71	-19.869	+ ".07	...	5	2.39	2165
1707	9.0†	B. D. + 1° 2721.....	30 43.470	3.0687	.003	...	+ 1 9 34.63	19.867	.07	...	5	3.02	2166
1708	6.0	25 Virginis..... <i>f</i>	31 38.262	3.0893	.006	- .0021	- 5 16 50.60	19.856	.07	- .027	32	2.38	2167*
1709	7.0	Lalande 23581.....	31 57.730	3.0780	.005	+ .0104	- 1 46 3.49	19.852	.07	- .137	5	1.98	2168†
1710	6.2	Lalande 23608.....	32 58.546	3.0595	.002	...	+ 3 49 58.23	19.840	.07	...	5	2.78	2169
1711	8.0†	Lalande 23613.....	^h 12 ^m 33 ^s 8.662	+3.1096	+0.010	...	-10 58 2.01	-19.837	+ ".07	...	5	3.23	2170
1712	5.9	Piazzi XII. 142.....	33 16.342	3.0642	.003	...	+ 2 24 18.60	19.836	.07	...	5	1.46	2172
1713	6.9	Piazzi XII. 143.....	33 34.764	3.0853	.006	...	- 3 49 24.57	19.832	.07	...	5	1.35	2174
1714	7.2	Lalande 23625.....	33 49.274	3.0733	.004	...	- 0 18 15.97	19.829	.07	...	5	3.00	2176
1715	4.8	26 Virginis..... <i>χ</i>	34 5.038	3.0982	.008	- .0056	- 7 26 42.66	19.826	.08	- .031	5	2.00	2177*
1716	9.0†	W. B. XII. 530.....	^h 12 ^m 34 ^s 17.454	+3.0714	+0.004	...	+ 0 15 12.52	-19.823	+ ".08	...	5	3.45	2178
1717	6.9	Mayer 534.....	34 21.138	3.0917	.007	+ .002	- 5 33 2.93	19.822	.08	- .01	5	2.81	2179
1718	8.5†	Lalande 23655.....	34 45.468	3.0812	.005	...	- 2 30 59.85	19.817	.08	...	5	1.46	2181
1719	8.7†	B. D. - 9° 3534.....	35 58.520	3.1064	.009	...	- 9 16 25.36	19.800	.08	...	5	1.35	2182
1720	8.4†	Lalande 23700.....	36 56.728	3.0684	.003	...	+ 1 2 39.01	19.787	.08	...	5	1.45	2184

1685, 1709. Proper Motion from *Cincinnati Pub.*, 13.
1687, 1693. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1721	9.0†	B. D. — 1° 27'16.....	^h 12 ^m 37 ^s 49.263	+3.0788	+0.005	...	— 1° 42' 15.79	—19.775	+0.08	...	6	2.39	2186
1722	7.8	W. B. XII. 592.....	37 51.860	3.0857	0.006	— 0.153	— 3 29 46.72	19.774	0.08	— 0.181	5	1.45	2187†
1723	8.8†	Lalande 23696.....	37 54.550	3.1035	0.008	...	— 8 3 40.59	19.773	0.08	...	3	1.34	2188
1724	6.1	Lalande 23732.....	38 29.867	3.0763	0.005	...	— 1 1 37.02	19.765	0.08	...	3	0.79	2190
1725	6.7	Piazzi XII. 170.....	39 3.224	3.0814	0.005	...	— 2 17 40.44	19.757	0.08	...	5	1.63	2191
1726	8.2†	W. B. XII. 631.....	^h 12 ^m 39 ^s 52.310	+3.1150	+0.010	...	—10 27 8.93	—19.744	+0.09	...	5	1.40	2193
1727	9.0†	W. B. XII. 645.....	40 27.058	3.0660	0.003	...	+ 1 32 1.80	19.735	0.09	...	5	2.19	2194
1728	8.1†	W. B. XII. 654.....	41 8.970	3.0597	0.003	...	+ 3 0 40.07	19.725	0.09	...	5	1.43	2195
1729	8.0†	Piazzi XII. 178.....	41 48.672	3.1032	0.008	...	— 7 15 7.93	19.714	0.09	...	5	1.64	2197
1730	7.7	Lalande 23821.....	41 55.036	3.1094	0.009	...	— 8 40 3.71	19.712	0.09	...	5	2.19	2199
1731	6.3	Mayer 537.....	^h 12 ^m 42 ^s 23.304	+3.0971	+0.007	— 0.014	— 5 45 16.26	—19.705	+0.09	— 0.033	5	3.43	2200
1732	8.0†	W. B. XII. 679.....	42 24.978	3.0901	0.006	...	— 4 8 4.73	19.704	0.09	...	5	3.47	2201
1733	7.5	Lalande 23846.....	42 30.384	3.1248	0.011	...	—12 1 56.66	19.702	0.09	...	5	3.44	2202
1734	6.4	35 Virginis.....	42 45.862	3.0545	0.002	— 0.004	+ 4 7 7.33	19.699	0.09	— 0.011	11	2.51	2203*
1735	9.0†	Lalande 23853.....	42 49.920	3.1098	0.009	...	— 8 35 53.46	19.698	0.09	...	3	3.09	2204
1736	8.2†	Lalande 23859.....	^h 12 ^m 42 ^s 59.548	+3.0715	+0.004	...	+ 0 11 12.38	—19.695	+0.09	...	5	2.63	2205
1737	9.1†	B. D. — 19° 35'75...	43 39.610	3.1616	0.015	...	—19 25 39.81	19.684	0.10	...	2	1.42	2207
1738	7.6	Lalande 23884.....	43 49.053	3.1110	0.009	...	— 8 40 26.07	19.682	0.10	...	3	2.08	2208
1739	9.0†	W. B. XII. 709.....	44 1.420	3.0864	0.006	...	— 3 9 13.92	19.678	0.10	...	5	3.46	2209
1740	8.5†	Lalande 23923.....	44 55.796	3.0668	0.004	...	+ 1 12 40.87	19.663	0.10	...	5	2.96	2211
1741	6.9	Mayer 538.....	^h 12 ^m 44 ^s 55.822	+3.1047	+0.008	— 0.016	— 7 5 15.67	—19.663	+0.10	+ 0.02	5	1.64	2212
1742	8.7†	W. B. XII. 729.....	45 15.936	3.0782	0.005	...	— 1 16 48.67	19.657	0.10	...	5	3.23	2213
1743	6.6	Mayer 539.....	46 10.630	3.1185	0.010	— 0.003	— 9 47 38.15	19.641	0.10	+ 0.01	5	1.62	2215
1744	6.1	37 Virginis.....	46 31.420	3.0554	0.003	— 0.036	+ 3 36 0.89	19.635	0.10	+ 0.030	5	2.79	2217
1745	8.1†	Lalande 23972.....	47 2.434	3.0987	0.007	— 0.015	— 5 32 43.42	19.626	0.10	— 0.065	5	1.66	2218†
1746	8.2†	Lalande 23975.....	^h 12 ^m 47 ^s 4.456	+3.0741	+0.005	...	— 0 23 5.99	—19.626	+0.10	...	5	3.41	2219
1747	6.1	38 Virginis.....	48 3.870	3.0869	0.006	— 0.0174	— 3 0 34.89	19.608	0.10	— 0.007	5	1.43	2221
1748	8.9†	W. B. XII. 777.....	48 6.890	3.1233	0.010	...	—10 22 41.25	19.607	0.10	...	3	2.39	2222
1749	9.0†	W. B. XII. 789.....	48 40.220	3.0609	0.003	...	+ 2 19 39.34	19.597	0.10	...	5	3.43	2223
1750	6.0	Lalande 24034.....	49 6.228	3.1281	0.010	...	—11 6 22.28	19.589	0.11	...	5	1.85	2224
1751	5.0	40 Virginis.....	^h 12 ^m 49 ^s 9.096	+3.1174	+0.009	— 0.023	— 8 59 44.97	—19.588	+0.10	— 0.028	29	2.49	2225*
1752	7.0	Lalande 24072.....	50 31.418	3.0693	0.004	...	+ 0 35 50.15	19.562	0.11	...	5	1.42	2226
1753	3.6	43 Virginis.....	50 33.874	3.0522	0.003	— 0.0318	+ 3 56 27.19	19.561	0.11	— 0.060	5	2.34	2227*
1754†	7.1	W. B. XII. 831.....	51 5.538	3.0946	0.007	...	— 4 19 20.69	19.551	0.11	...	5	1.23	2229
1755	8.7†	W. B. XII. 845.....	51 44.824	3.1269	0.010	...	—10 20 28.02	19.538	0.11	...	5	1.86	2230
1756	6.8	Lalande 24119.....	^h 12 ^m 52 ^s 6.768	+3.1166	+0.009	...	— 8 22 11.16	—19.531	+0.11	...	5	1.40	2231
1757	8.1	Lalande 24125.....	52 21.756	3.1381	0.011	— 0.0125	—12 16 12.12	19.526	0.11	— 0.055	5	1.97	2233†
1758*	8.8†	B. D. — 1° 27'45.....	52 26.798	3.0840	0.006	...	— 2 13 9.26	19.524	0.11	...	5	3.20	2234
1759	7.7	Lalande 24151.....	53 24.946	3.1070	0.008	...	— 6 24 29.59	19.505	0.11	...	5	1.43	2235
1760	7.3	Lalande 24161.....	53 49.650	3.1025	0.008	...	— 5 33 2.10	19.496	0.11	...	5	1.25	2236

1754. 7.1, 8.8 5"8 147° 1890.4.
1758. Cape 9.5 mag.

1722, 1745, 1757. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1761	9.1†	B. D. — 20° 3758...	^{h m s} 12 53 57.405	^s +3.1915	^s +0.017	...	—20° 55' 53".79	—19.494	+ ".12	...	2	0.92	2237
1762	5.8	44 Virginis.....	54 30.373	3.0903	.006	— .0036	— 3 16 21.22	19.483	.12	+ .010	6	1.87	2238
1763	8.0	Lalande 24195.....	54 59.696	3.0759	.005	...	— 0 38 49.10	19.472	.12	...	5	2.02	2239
1764	7.1	Lalande 24204.....	55 17.208	3.1204	.009	...	— 8 33 36.95	19.466	.12	...	5	1.22	2240
1765	8.6†	Lalande 24227.....	56 9.924	3.1331	.011	...	—10 37 2.90	19.448	.12	...	5	1.62	2241
1766	8.0†	Piazzi XII. 246.....	^{h m s} 12 56 24.096	^s +3.0606	^s +0.004	...	+ 2 3 32.16	—19.443	+ ".12	...	5	1.80	2243
1767	7.3	Lalande 24242.....	56 58.924	3.1397	.011	...	—11 34 18.09	19.430	.12	...	5	1.23	2244
1768	9.0†	B. D. — 2° 3620.....	58 8.368	3.0865	.006	...	— 2 25 35.33	19.405	.12	...	5	1.65	2245
1769	7.5	Lalande 24293.....	58 40.562	3.0996	.007	— .0152	— 4 37 7.21	19.393	.12	— .197	5	1.42	2246†
1770	6.6	48 Virginis.....	58 45.196	3.0908	.007	— .0060	— 3 7 30.74	19.392	.12	— .018	5	2.36	2247
1771	8.7†	W. B. XII. 971.....	^{h m s} 12 59 1.478	^s +3.1088	^s +0.008	...	— 6 7 30.57	19.386	+ ".12	...	5	3.02	2248
1772	7.2	Piazzi XII. 258.....	12 59 38.042	3.0673	.005	.000	+ 0 50 4.24	19.372	.12	— .11	5	1.65	2250†
1773	8.8†	Lalande 24319.....	13 0 19.258	3.1478	.012	...	—12 15 9.68	19.357	.13	...	5	1.85	2251
1774	9.1†	Lalande 24322.....	13 0 27.507	3.1453	.012	...	—11 50 0.01	19.353	.13	...	3	2.45	2253
1775	9.0†	B. D. — 9° 3617.....	13 0 27.902	3.1335	.011	...	— 9 57 56.53	19.353	.13	...	5	3.45	2254
1776	7.2	B. D. — 13° 3651.....	13 0 35.564	+3.1566	+0.012	...	—13 34 31.82	—19.350	+ ".13	...	5	1.96	2255
1777	8.7†	B. D. — 6° 3732.....	0 38.290	3.1160	.009	...	— 7 7 24.26	19.349	.13	...	5	2.62	2256
1778	8.4†	Lalande 24339.....	1 4.120	3.0955	.007	...	— 3 46 24.02	19.339	.13	...	5	1.80	2257
1779	8.5†	Lalande 24358.....	1 45.520	3.0808	.006	...	— 1 22 12.00	19.323	.13	...	5	3.62	2259
1780	5.2	49 Virginis.....	2 39.420	3.1373	.011	— .0002	—10 12 20.36	19.302	.13	+ .008	5	1.45	2260
1781	7.4	Lalande 24393.....	13 3 13.052	+3.1445	+0.011	...	—11 13 35.40	—19.289	+ ".13	...	5	2.40	2262
1782	5.6	Lalande 24399.....	3 19.532	3.1265	.010	...	— 8 26 55.68	+19.286	.13	...	5	2.02	2263
1783	6.2	50 Virginis.....	4 31.140	3.1364	.011	— .0007	— 9 47 45.30	19.258	.14	— .019	5	3.02	2265
1784	8.4†	Lalande 24439.....	4 33.704	3.0908	.007	...	— 2 51 15.60	19.257	.13	...	5	3.45	2266
1785	7.4	W. B. XIII. 13.....	4 34.234	3.1187	.009	...	— 7 7 18.84	19.257	.14	...	5	2.44	2267
1786	4.4	51 Virginis.....	^{h m s} 13 4 46.294	^s +3.1050	^s +0.008	— .0029	— 5 0 18.47	—19.252	+ ".13	— .040	24	2.24	2268*
1787	8.5†	Lalande 24472.....	5 35.764	3.0716	.005	...	+ 0 6 49.78	19.231	.13	...	5	2.78	2270
1788	7.0	Lalande 24488.....	6 5.312	3.1631	.013	...	—13 25 45.57	19.219	.14	...	5	1.47	2271
1789	8.5†	W. B. XIII. 49.....	6 45.996	3.1530	.012	...	—11 52 15.26	19.202	.14	...	5	1.43	2274
1790	9.1†	B. D. — 5° 3653.....	7 10.892	3.1127	.008	...	— 5 58 6.82	19.192	.14	...	5	2.59	2275
1791	7.4	W. B. XIII. 67.....	^{h m s} 13 7 37.578	^s +3.0806	^s +0.006	...	— 1 13 37.45	—19.180	+ ".14	...	5	1.24	2276
1792	8.5†	W. B. XIII. 84.....	8 30.080	3.0987	.008	...	— 3 50 44.82	19.158	.14	...	5	1.25	2277
1793	9.1†	B. D. — 8° 3514.....	9 29.484	3.1357	.010	...	— 9 1 34.76	19.133	.15	...	5	1.81	2278
1794	6.9	Piazzi XIII. 25.....	9 41.644	3.1489	.011	— .0167	—10 49 53.27	19.127	.15	— .300	5	1.64	2279†
1795†	8.8†	W. B. XIII. 124.....	10 48.278	3.0906	.007	...	— 2 34 51.91	19.098	.15	...	5	2.83	2281
1796	7.7	Lalande 24610.....	^{h m s} 13 10 52.308	^s +3.1089	^s +0.008	...	— 5 8 20.98	—19.096	+ ".15	...	5	1.25	2282
1797	8.2	Piazzi XIII. 34.....	11 37.460	3.1184	.009	...	— 6 24 25.06	19.076	.15	...	5	1.81	2284
1798	7.7	Piazzi XIII. 33.....	11 41.630	3.1645	.012	...	—12 37 50.73	19.074	.15	...	5	2.42	2285
1799	7.2	58 Virginis.....	12 12.738	3.1455	.011	— .0075	—10 1 9.34	19.060	.15	+ .032	5	3.46	2286
1800	6.8	Lalande 24653.....	12 12.924	3.1834	.014	...	—15 1 8.62	19.060	.15	...	5	2.40	2287

1795. 8.8, 13 4" 3 205° 1899.5.

1769, 1794. Proper Motion from *Cincinnati Pub.*, 13.
1772. Proper Motion from *Paris Catalogue*.

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1801	6·3	Lalande 24660.....	^h ^m ^s 13 12 22·643	+ 3·0734	+·006	...	- 0° 8' 54·93	-19·055	+·15	...	12	2·71	2288
1802	7·1	Lalande 24661.....	12 30·262	3·1322	·010	...	- 8 12 16·94	19·052	·15	...	5	3·48	2289
1803	9·1†	B. D. - 13° 3684...	12 52·203	3·1722	·013	...	-13 27 5·99	19·042	·15	...	3	1·44	2290
1804	8·9†	W. B. XIII. 187.....	13 50·796	3·0778	·006	...	- 0 44 31·39	19·015	·15	...	5 : 4	1·64 : 1·68	2291
1805†	7·1	Piazzi XIII. 52.....	14 28·058	3·1564	·012	...	-11 8 48·67	18·998	·16	...	5	1·23	2293
1806	9·2†	B. D. - 6° 3788.....	13 15 21·872	+3·1250	+·010	...	- 6 57 29·24	-18·973	+·16	...	5	1·80	2297
1807	9·2†	W. B. XIII. 209.....	15 32·502	3·0950	·007	...	- 3 0 31·02	18·967	·15	...	5	3·23	2298
1808	7·0	Piazzi XIII 58.....	15 58·000	3·1449	·011	...	- 9 28 33·52	18·956	·16	...	5	1·46	2299
1809	7·0	Lalande 24769.....	16 47·556	3·1810	·013	...	-13 53 42·06	18·932	·16	...	5	1·24	2301
1810	7·1	Mayer 553.....	16 50·942	3·1662	·012	·000	-12 3 20·45	18·930	·16	·00	12	2·74	2302
1811	6·8	Piazzi XIII. 67.....	13 17 19·328	+3·1163	+·009	-·0081	- 5 40 29·97	-18·917	+·16	-·135	5	1·63	2303†
1812	8·7†	Lalande 24801.....	18 3·135	3·1552	·012	...	-10 31 6·71	18·896	·16	...	6	3·43	2305
1813	6·0	65 Virginis.....	18 7·918	3·1067	·008	-·0035	- 4 24 4·82	18·893	·16	-·010	5	1·24	2306
1814	8·5†	W. B. XIII. 266.....	19 5·824	3·0848	·007	...	- 1 35 6·57	18·865	·16	...	5	1·27	2307
1815	7·1	B. D. - 3° 3462.....	19 15·950	3·1022	·008	...	- 3 47 0·90	18·860	·16	...	5	2·61	2309
1816	5·7	66 Virginis.....	13 19 20·858	-3·1091	+·008	+·0087	- 4 38 29·30	-18·857	+·16	-·022	5	2·03	2310
1817	1·2	67 Virginis.....	19 55·433	3·1581	·012	-·0028	-10 38 21·69	18·840	·16	-·032	12	2·94	2311*
1818	7·7	W. B. XIII. 280.....	20 0·320	3·1387	·010	...	- 8 15 53·22	18·838	·16	...	5	3·08	2312
1819†	9·0†	W. B. XIII. 281.....	20 7·470	3·1290	·010	...	- 7 3 43·96	18·834	·16	...	5	3·49	2313
1820	6·0	Lalande 24872.....	21 4·026	3·0777	·006	...	- 0 40 20·58	18·806	·16	...	5	1·45	2317
1821	5·7	68 Virginis.....	13 21 26·098	+3·1728	+·012	-·0096	-12 11 14·26	-18·795	+·17	-·023	15 : 17	2·58 : 2·51	2318*
1822	9·1†	B. D. - 10° 3677...	21 43·650	3·1614	·012	...	-10 49 8·39	18·785	·17	...	6	3·42	2319
1823	4·9	69 Virginis.....	22 7·048	3·2019	·015	-·0106	-15 27 17·95	18·774	·17	+·027	5	3·04	2321
1824	8·4†	Piazzi XIII. 88.....	23 13·008	3·1494	·011	...	- 9 13 33·00	18·740	·17	...	5	1·27	2323
1825	9·0†	W. B. XIII. 356.....	24 38·852	3·1880	·013	...	-13 29 5·45	18·695	·18	...	5	2·79	2325
1826	8·9†	W. B. XIII 366.....	13 25 9·546	+3·1335	+·010	...	- 7 11 11·63	-18·678	+·17	...	5	3·44	2328
1827	6·1	72 Virginis.....	25 12·622	3·1229	·009	+·0012	- 5 57 15·05	18·677	·17	+·024	5	1·27	2329
1828	9·0†	W. B. XIII. 373.....	25 34·300	3·1059	·008	...	- 3 56 25·15	18·666	·17	...	5	3·47	2332
1829	7·0	Piazzi XIII. 106.....	25 41·694	3·0939	·008	...	- 2 32 4·97	18·661	·17	...	5	2·77	2334
1830	4·8	74 Virginis.....	26 45·888	3·1220	·009	-·0081	- 5 44 22·09	18·627	·18	-·030	5	1·65	2335
1831	9·0†	W. B. XIII. 397.....	13 26 47·676	+3·1660	+·012	...	-10 44 20·95	-18·626	+·18	...	5	3·48	2336
1832	5·7	Lacaille 5580.....	27 1·607	3·3377	·024	-·011	-28 10 39·42	18·619	·19	-·04	3	2·44	2337†
1833	7·8†	Lalande 25008.....	27 6·464	3·1791	·013	...	-12 8 53·97	18·616	·18	...	5	3·01	2338
1834	5·6	75 Virginis.....	27 30·948	3·2043	·014	-·0052	-14 50 55·00	18·603	·18	·00	5	3·46	2339
1835	5·4	76 Virginis.....	27 41·960	3·1571	·011	-·0044	- 9 38 59·33	18·597	·18	-·023	5	3·23	2340
1836	7·2	W. B. XIII. 421.....	13 27 58·094	+3·1420	+·010	...	- 7 55 50·87	-18·588	+·18	...	5	3·31	2341
1837	7·4	77 Virginis.....	28 10·942	3·1349	·010	-·005	- 7 6 32·83	18·581	·18	+·033	5	1·46	2342
1838	7·4	Lalande 25075.....	29 8·800	3·1877	·013	...	-12 50 1·94	18·549	·18	...	3	1·74	2344
1839	6·0	Piazzi XIII. 126.....	29 21·430	3·1868	·013	...	-12 42 5·18	18·543	·18	...	4	1·21	2345
1840	3·4	79 Virginis.....	29 35·789	3·0731	·006	-·0195	- 0 5 4·91	18·534	·18	+·040	24 : 25	2·53	2346*

1805. 7·1, 13 3"·9 272° 1903·2.
1819. 9·2 mag. 0·4f, 1" N.

1811. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1841	5.7	80 Virginis.....	h m s 13 30 19.092	+3.1162	+0.009	-0.0006	-4° 53' 12".19	-18.510	+0.18	+0.096	12	2.94	2351
1842	7.5	C. G. A. 18504.....	31 5.833	3.3942	.027	...	-31 53 33.13	18.484	.20	...	3	0.45	2354
1843†	7.8	81 Virginis.....	32 20.757	3.1400	.010	-0.0030	-7 21 43.23	18.441	.19	-0.04	3	0.78	2358
1844	8.6†	Piazzi XIII. 144.....	32 25.352	3.1287	.010	...	-6 8 34.10	18.439	.19	...	5	1.89	2359
1845	6.7	Piazzi XIII. 145.....	32 36.758	3.0973	.008	...	-2 43 33.41	18.432	.19	...	5	1.46	2360
1846	8.0†	Lalande 25168.....	13 32 40.200	+3.2042	+0.014	...	-14 4 58.60	-18.430	+0.19	...	5	1.81	2361
1847	9.0†	Lalande 25180.....	33 4.056	3.1520	.011	...	-8 34 57.00	18.417	.19	...	5	3.47	2362
1848	8.5†	W. B. XIII. 522.....	33 12.250	3.1712	.012	...	-10 35 39.06	18.412	.19	...	5	3.44	2363
1849	8.7†	W. B. XIII. 529.....	33 25.296	3.1459	.011	...	-7 54 44.14	18.404	.19	...	5	3.49	2364
1850	7.5	Piazzi XIII. 151.....	33 58.220	3.2120	.014	...	-14 42 0.59	18.385	.19	...	5	0.86	2365
1851	7.8	Piazzi XIII. 152.....	13 33 58.892	+3.1815	+0.013	...	-11 34 57.56	-18.384	+0.19	...	5	2.05	2366
1852	8.0†	W. B. XIII. 549.....	34 17.612	3.1628	.012	...	-9 36 22.37	18.374	.19	...	5	1.23	2368
1853	7.0	Lalande 25213.....	34 35.196	3.2254	.015	...	-15 56 20.04	18.364	.20	...	5	1.48	2369
1854	8.7†	B. D. - 5° 3747.....	35 50.122	3.1279	.010	...	-5 50 51.51	18.320	.19	...	5	1.45	2370
1855	5.2	82 Virginis.....	m 36 21.723	3.1509	.011	-0.0073	-8 11 54.22	18.301	.19	+0.032	29:30	2.14:2.15	2371*
1856	8.8†	B. D. - 12° 3873.....	13 37 7.102	+3.1998	+0.014	...	-13 3 19.45	-18.274	+0.20	...	5	1.64	2372
1857	7.0	Piazzi XIII. 171.....	38 19.222	3.1089	.009	...	-3 46 12.80	18.230	.20	...	5	1.24	2373
1858	9.0†	B. D. - 15° 3728.....	38 23.857	3.2263	.015	...	-15 28 47.51	18.227	.20	...	3	0.46	2374
1859	6.4	Mayer 565.....	38 41.968	3.1211	.009	-0.004	-4 59 42.80	18.216	.20	-0.01	5	1.45	2376
1860	8.0*	Piazzi XIII. 175.....	38 56.664	3.1803	.012	...	-10 56 1.40	18.207	.20	...	5	3.04	2378
1861	5.6	83 Virginis.....	13 39 5.998	+3.2294	+0.015	+0.0007	-15 40 34.19	-18.202	+0.21	-0.011	5	2.44	2379*
1862	6.9	Mayer 566.....	39 22.912	3.2094	.014	-0.001	-13 43 4.52	18.191	.20	-0.16	5	3.47	2382
1863	10.0†	C. Z. XIII. 2297.....	39 26.967	3.4199	.027	...	-31 44 44.29	18.189	.22	...	3	2.45	2383
1864	7.1	Piazzi XIII. 179.....	39 42.292	3.1429	.010	...	-7 7 56.37	18.180	.20	...	5	2.03	2384
1865	8.0†	Piazzi XIII. 183.....	40 17.505	3.1915	.013	...	-11 52 59.41	18.157	.21	...	2	2.96	2385
1866†	5.6	86 Virginis.....	13 40 36.498	+3.1922	+0.013	-0.0028	-11 55 31.34	-18.147	+0.21	+0.013	5	1.46	2387
1867	6.2	Lalande 25396.....	41 56.226	3.1655	.012	...	-9 12 30.32	18.096	.21	...	5	2.64	2388
1868	5.8	87 Virginis.....	41 58.888	3.2521	.016	+0.0011	-17 21 33.34	18.095	.21	-0.028	5	3.44	2389
1869	8.5†	W. B. XIII. 676.....	42 5.520	3.1532	.011	...	-8 0 5.98	18.090	.21	...	5	3.48	2390
1870	7.8†	Lalande 25407.....	42 34.420	3.2334	.015	...	-15 33 56.46	18.073	.21	...	5	2.46	2391
1871	6.5	88 Virginis.....	13 43 4.032	+3.1368	+0.010	-0.0053	-6 20 17.86	-18.054	+0.21	-0.015	5	3.04	2393
1872	8.7†	B. D. - 16° 3747.....	43 25.726	3.2448	.016	...	-16 28 54.69	18.040	.21	...	5	3.49	2394
1873*	9.0†	Lalande 25434.....	43 30.984	3.2202	.014	...	-14 13 35.95	18.036	.21	...	5	3.06	2395
1874	5.1	89 Virginis.....	44 26.177	3.2593	.016	-0.0077	-17 38 9.85	18.001	.22	-0.040	13	2.79	2397*
1875	6.2	Lalande 25485.....	45 23.367	3.0100	.004	...	+5 59 37.26	17.964	.20	...	3	1.46	2399
1876	7.8	W. B. XIII. 736.....	13 45 29.734	+3.1863	+0.012	...	-10 51 46.13	-17.960	+0.21	...	5	2.81	2400
1877	7.1	Piazzi XIII. 218.....	45 35.416	3.1483	.011	...	-7 17 17.06	17.957	.21	...	5	2.68	2401
1878	7.0	W. B. XIII. 743.....	45 44.226	3.2116	.014	...	-13 10 58.57	17.951	.22	...	5	1.47	2403
1879	8.9†	B. D. - 4° 3580.....	47 22.472	3.1206	.009	...	-4 34 35.80	17.887	.21	...	5	1.65	2406
1880	7.8	W. B. XIII. 766.....	47 35.366	3.1809	.012	...	-10 11 18.18	17.879	.22	...	5	1.25	2407

1843. 7.8, 7.9 3" 0 42° 1892.
 1866. 5.6, 10 1' 6 298 1899.2.
 1873. 8.3 mag. in B.D.

No.	Mag.	Name.	Mean R.A. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	Mean Dec. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1881	8.7†	W. B. XIII. 769.....	^{h m s} 13 47 40.074	^s +3.1358	^s +0.10	...	- 5° 59' 43.83	-17.875	+ .21	...	5	3.25	2409
1882	7.8†	Lalande 25527.....	47 48.322	3.2403	.015	...	-15 30 14.34	17.870	.22	...	5	3.48	2411
1883	7.5	Piazzi XIII. 227.....	48 1.154	3.1046	.009	...	- 3 2 52.84	17.861	.21	...	5	3.50	2412
1884	7.2	B. D. - 13° 3786...	48 28.196	3.2261	.015	...	-14 10 15.41	17.843	.22	...	5	2.08	2414
1885	8.7†	B. D. - 21° 3793...	48 33.235	3.3154	.019	...	-21 44 21.99	17.840	.23	...	2	3.47	2415
1886	8.0†	Lalande 25551.....	^{h m s} 13 48 38.498	^s +3.1579	^s +0.11	+ .008	- 7 59 24.03	-17.836	+ .22	- .13	5	3.44	2416†
1887	6.8	Lalande 25556.....	48 55.156	3.2556	.016	...	-16 41 16.69	17.825	.22	...	5	1.88	2418
1888	8.4†	Lalande 25590.....	49 50.364	3.2028	.013	...	-11 57 27.30	17.788	.22	...	5	2.44	2419
1889	6.8	W. B. XIII. 826.....	50 35.084	3.1735	.012	...	- 9 15 55.54	17.758	.22	...	5	1.27	2421
1890	8.0†	Brisbane 4706.....	52 13.770	3.4882	.029	...	-33 29 22.03	17.691	.25	...	2	0.44	2423
1891	10.0†	B. D. - 16° 3770...	^{h m s} 13 52 15.787	^s +3.2622	^s +0.16	...	-16 48 11.10	-17.689	+ .23	...	3	2.46	2424
1892†	9.3†	O. A. 13274.....	52 20.670	3.2628	.016	...	-16 50 59.77	17.686	.23	...	3	2.15	2425
1893	8.7†	W. B. XIII. 856.....	52 25.140	3.1883	.012	...	-10 26 10.77	17.683	.23	...	5	1.44	2426
1894	8.2†	Brisbane 4711.....	52 49.790	3.4905	.029	...	-33 30 20.60	17.666	.25	...	3	1.48	2428
1895	9.0†	O. A. 13280.....	53 2.836	3.2674	.016	...	-17 8 18.24	17.657	.23	...	5	3.50	2429
1896	7.1	Piazzi XIII. 256.....	^{h m s} 13 53 5.070	^s +3.2019	^s +0.13	+ .0108	-11 34 4.54	-17.656	+ .23	- .168	11	3.24	2430†
1897	8.5†	W. B. XIII. 872.....	53 20.982	3.2472	.015	...	-15 25 2.42	17.645	.23	...	5	3.50	2432
1898	7.0	Lalande 25678.....	53 34.392	3.2805	.017	...	-18 8 11.18	17.636	.24	...	5	3.50	2433
1899	7.0	W. B. XIII. 878.....	53 44.844	3.1441	.010	...	- 6 26 12.13	17.628	.23	...	5	2.90	2434
1900	7.3	Lalande 25693.....	54 14.006	3.1274	.010	+ .0020	- 4 55 56.88	17.608	.23	- .213	5	1.44	2435†
1901	8.2†	Lalande 25700.....	^{h m s} 13 54 45.012	^s +3.2202	^s +0.14	...	-12 58 54.38	-17.586	+ .23	...	5	2.65	2436
1902	6.7	Mayer 572.....	54 48.362	3.1588	.011	- .001	- 7 40 30.49	17.584	.23	- .03	5	3.07	2437
1903	7.8†	Lalande 25710.....	55 3.972	3.2383	.015	...	-14 27 58.71	17.573	.24	...	5	3.30	2439
1904	9.6†	B. D. - 16° 3778...	55 6.670	3.2641	.016	...	-16 35 57.72	17.571	.24	...	3	3.51	2440
1905	8.6†	W. B. XIII. 922.....	56 19.604	3.1804	.012	...	- 9 27 25.09	17.519	.23	...	5	1.44	2441
1906	6.5	Lalande 25774.....	^{h m s} 13 57 37.338	^s +3.2715	^s +0.16	...	-16 53 5.82	-17.464	+ .24	...	5	0.86	2444
1907	8.0†	Lalande 25786.....	57 44.154	3.1416	.010	...	- 6 1 43.50	17.459	.23	...	5	2.46	2445
1908	8.0†	Lalande 25797.....	58 6.972	3.1942	.013	...	-10 29 9.73	17.443	.24	...	5	1.65	2446
1909	7.8	W. B. XIII. 979.....	58 50.748	3.2089	.013	...	-11 38 56.64	17.411	.24	...	5	3.46	2447
1910	6.5	Lalande 25824.....	59 1.204	3.1291	.010	...	- 4 54 2.91	17.404	.23	...	5	3.08	2448
1911	6.4	Piazzi XIII. 286.....	^{h m s} 13 59 2.042	^s +3.2437	^s +0.15	...	-14 29 27.75	-17.403	+ .24	...	5	2.88	2449
1912	6.5	Mayer 573.....	13 59 3.662	3.1747	.012	- .004	- 8 46 38.26	17.402	.24	.00	5	2.69	2450
1913	6.5	Lalande 25842.....	13 59 47.002	3.2618	.016	...	-15 51 24.56	17.371	.25	...	5	1.27	2451
1914	7.9†	B. D. - 6° 3930.....	13 59 57.108	3.1519	.011	...	- 6 47 49.22	17.363	.24	...	5	2.84	2453
1915	6.6	94 Virginis.....	14 0 59.971	3.1719	.012	- .0010	- 8 24 52.11	17.317	.24	+ .009	28	2.53	2455*
1916	6.7	Lalande 25880.....	^{h m s} 14 1 17.230	^s +3.2370	^s +0.14	...	-13 43 37.65	-17.305	+ .25	...	5	2.10	2457
1917	5.4	95 Virginis.....	1 25.380	3.1773	.012	- .0122	- 8 50 11.08	17.299	.24	+ .015	5	1.86	2458
1918	8.0†	W. B. XIII. 1048...	1 51.246	3.1671	.011	...	- 7 57 47.08	17.280	.24	...	5	3.45	2459
1919†	7.7	Lalande 25901.....	2 40.312	3.2228	.014	+ .0070	-12 26 59.28	17.243	.25	- .111	5	1.87	2460†
1920	7.4	Lalande 25912.....	2 42.997	3.0673	.007	...	+ 0 25 11.08	17.241	.24	...	3	0.44	2461

1892. 9.7, 10.5 3'' 5 321° 1898.2.
1919. 7.7, 8.9 4' 8 282 1879.

1886. Proper Motion from *Paris Catalogue*.
1896, 1919. Proper Motion from *Cincinnati Pub.*, 14.
1900. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°0.	Precession 1900°0.	Sec. Var. 1900°0.	Proper Motion.	Mean Dec. 1900°0.	Precession 1900°0.	Sec. Var. 1900°0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1921	6.8	Piazzi XIII. 308.....	h m s 14 3 7.420	s +3.2097	s +0.13	...	-11° 21' 15.38	-17.223	+ .25	...	5	1.25	2462
1922	9.0†	O. A. 13408.....	3 21.244	3.2851	.017	...	-17 15 41.09	17.213	.25	...	5	3.06	2463
1923	7.2	Piazzi XIII. 310.....	3 28.874	3.3053	.018	...	-18 46 10.82	17.207	.25	...	5	2.07	2464
1924	6.5	96 Virginis	3 40.806	3.1916	.012	- .0007	- 9 51 38.78	17.198	.25	+ .019	5	2.68	2465
1925	5.2	Virginis 40 H.....	5 22.698	3.2694	.016	- .0010	-15 49 46.81	17.121	.26	- .003	5	0.46	2466
1926	7.3	Piazzi XIV. 3.....	14 5 42.910	+3.1394	+0.10	...	- 5 30 7.22	-17.106	+ .25	...	5	1.26	2468
1927	8.9†	B. D. - 14° 3893...	5 47.192	3.2557	.015	...	-14 44 20.09	17.103	.26	...	5	2.06	2469
1928	4.4	98 Virginis	7 33.617	3.1944	.012	+ .0006	- 9 48 29.62	17.021	.25	+ .132	17	2.01	2471*
1929	7.2	Lalande 26040	7 45.206	3.2406	.014	...	-13 23 25.05	17.012	.26	...	5	1.26	2472
1930	7.1	W. B. XIV. 79.....	8 0.974	3.1715	.012	...	- 7 58 32.71	17.000	.25	...	5	1.88	2473
1931	6.9	B. D. - 11° 3693 ...	14 8 20.692	+3.2151	+0.13	...	-11 22 10.66	-16.984	+ .26	...	5	3.44	2474
1932	7.1	Lacaille 5867	8 52.577	3.4934	.027	...	-30 34 57.74	16.960	.28	...	3	2.12	2475
1933	8.0†	Lalande 26069.....	9 0.708	3.1547	.011	...	- 6 35 17.94	16.953	.25	...	5	2.09	2476
1934	5.5	Piazzi XIV. 22	9 53.304	3.3017	.017	...	-17 44 3.41	16.913	.27	...	5	1.24	2478
1935	8.0†	Lalande 26094	10 22.248	3.2735	.016	...	-15 36 57.75	16.890	.26	...	5	1.67	2479
1936	6.2	W. B. XIV. 135.....	14 11 6.080	+3.1503	+0.11	- .0130	- 6 9 23.71	-16.855	+ .26	- .020	5	1.86	2483†
1937	6.6	W. B. XIV. 145 ...	11 30.256	3.1797	.012	...	- 8 25 11.90	16.836	.26	...	5	3.24	2484
1938	6.4	C. G. A. 19332.....	11 31.956	3.3097	.017	...	-18 7 17.85	16.835	.27	...	5	2.47	2485
1939	9.0†	O. A. 13514.....	11 49.780	3.3089	.017	...	-18 1 39.67	16.821	.27	...	3	2.11	2486
1940	6.9	Lalande 26131.....	11 54.282	3.3298	.018	...	-19 29 58.93	16.817	.27	...	5	3.48	2487
1941	6.7	W. B. XIV. 157.....	14 12 3.872	+3.1819	+0.12	...	- 8 33 33.52	-16.810	+ .26	...	5	1.88	2489
1942	8.6†	W. B. XIV. 170 ...	12 39.006	3.2607	.015	...	-14 26 55.42	16.782	.27	...	5	3.05	2490
1943	7.2	Lalande 26148	12 41.166	3.1686	.011	...	- 7 30 12.50	16.780	.26	...	5	2.28	2491
1944	5.7	Lalande 26150.....	13 6.328	3.3141	.017	...	-18 15 10.83	16.760	.27	...	5	2.43	2492
1945	7.8†	W. B. XIV. 184.....	13 26.224	3.2232	.013	...	-11 36 5.17	16.744	.27	...	5	2.25	2493
1946	4.5	100 Virginis.....	14 13 41.835	+3.2411	+0.14	- .0024	-12 54 38.77	-16.731	+ .27	+ .021	13	2.48	2494*
1947	6.6	Mayer 584.....	14 37.840	3.1539	.011	- .0007	- 6 17 8.22	16.686	.26	- .01	5	1.27	2496
1948	7.7†	Lalande 26199.....	14 57.140	3.3002	.017	...	-17 4 7.71	16.671	.27	...	5	1.45	2497
1949	8.0†	Lalande 26227.....	15 53.830	3.2166	.013	...	-10 56 25.52	16.624	.27	...	5	2.28	2500
1950	9.4†	B. D. - 15° 3858...	16 5.887	3.2838	.016	...	-15 47 43.01	16.615	.28	...	3	2.44	2501
1951	7.4	W. B. XIV. 238.....	14 16 12.004	+3.2031	+0.13	...	- 9 54 46.21	-16.610	+ .27	...	5	2.29	2502
1952	8.9†	Lalande 26237.....	16 28.308	3.1805	.012	...	- 8 12 55.40	16.597	.27	...	5	1.85	2503
1953	9.0†	O. A. 13571.....	17 18.137	3.3113	.017	...	-17 36 5.95	16.556	.28	...	3	0.45	2504
1954†	7.5	Mayer 585.....	17 21.086	3.1690	.011	.0000	- 7 18 30.61	16.553	.27	- .12	5	1.86	2505
1955	9.0†	O. A. 13575.....	17 34.493	3.3117	.017	...	-17 35 49.05	16.543	.28	...	3	1.48	2506
1956	6.3	2 Libræ	14 18 2.676	+3.2231	+0.13	- .0014	-11 15 26.26	-16.519	+ .27	- .066	11	2.58 : 2.68	2507*
1957	8.0†	W. B. XIV. 283.....	18 24.230	3.2404	.014	...	-12 29 11.12	16.501	.28	...	5	3.06	2508
1958	9.1†	B. D. - 14° 3944 ...	18 24.236	3.2686	.015	...	-14 30 13.69	16.501	.28	...	5	2.85	2509
1959	6.8	Lalande 26287.....	18 28.582	3.2849	.016	...	-15 38 49.98	16.497	.28	...	5	2.30	2510
1960†	6.5	Bradley 1861.....	19 18.240	3.2237	.013	- .0008	-11 12 56.65	16.456	.28	- .017	5	1.66	2511

1954. 7.5, 7.6 5" 6 168° 1891.4.
1960. 6.7, 8.4 1' 4 303 1888.4.

1936. Proper Motion from Radcliffe 1890.

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
1961	6·7	Lalande 26320	^{h m s} 14 19 54·718	^s +3·3438	^s +·018	...	—19° 31' 2"58	—16"426	+ "29	...	5	0·87	2513
1962	8·9†	Lalande 26349	21 2·220	3·3285	·017	...	—18 22 10·06	16·369	·29	...	5	1·48	2514
1963	8·7†	Lalande 26362	21 26·652	3·3117	·017	...	—17 12 6·61	16·348	·29	...	5	2·47	2515
1964	7·3	Lalande 26376	21 54·600	3·2713	·015	—·0133	—14 23 15·10	16·325	·28	—·042	6	0·94	2516†
1965	6·7	Mayer 589	22 19·892	3·2505	·014	—·005	—12 54 34·57	16·303	·28	·00	5	1·27	2517
1966	9·0†	B. D. — 8° 3781	14 22 50·888	+3·1863	+·012	...	— 8 18 31·28	—16·277	+ ·28	...	5	2·86	2518
1967	6·9	Mayer 590	23 11·278	3·2039	·012	—·005	— 9 33 21·25	16·260	·28	—·03	5	1·27	2519
1968	7·1	Lalande 26453	24 45·436	3·2808	·015	...	—14 48 17·15	16·180	·29	...	5	1·06	2521
1969	6·9	Lalande 26447	25 0·322	3·3919	·020	...	—22 0 57·22	16·167	·30	...	5	1·66	2522
1970	7·1	Lalande 26462	25 14·254	3·3645	·019	...	—20 16 22·92	16·155	·30	...	5	1·46	2524
1971	8·6†	Lalande 26484	14 25 54·792	+3·2329	+·013	...	—11 25 33·22	—16·120	+ ·29	...	5	2·53	2525
1972	7·8†	W. B. XIV. 432	26 21·106	3·2525	·014	...	—12 44 56·51	16·097	·29	...	5	3·06	2527
1973	7·8	Lalande 26498	26 26·566	3·2996	·016	...	—15 55 8·98	16·091	·29	...	5	2·25	2529
1974	8·5†	Lalande 26504	26 48·760	3·3232	·017	...	—17 26 19·67	16·072	·30	...	5	1·66	2530
1975	8·4†	Lalande 26506	26 49·264	3·2202	·013	...	—10 29 35·26	16·072	·29	...	5	3·30	2531
1976	8·5†	Lalande 26501	14 26 52·460	+3·4238	+·021	...	—23 44 44·52	—16·070	+ ·31	...	3	0·46	2532
1977	8·5†	W. B. XIV. 451	27 13·588	3·2036	·012	...	— 9 18 57·80	16·050	·29	...	5	2·49	2533
1978	8·1†	Lalande 26541	28 33·576	3·3514	·018	...	—19 4 46·07	15·980	·30	...	5	0·86	2536
1979	6·5	Mayer 591	29 12·930	3·3670	·018	+·0010	—20 0 2·26	15·946	·30	+·002	12	1·90	2537
1980	7·1	Lalande 26586	30 27·174	3·3976	·020	...	—21 44 26·63	15·880	·31	...	5	3·05	2541
1981	7·1	W. B. XIV. 507	14 30 28·862	+3·1889	+·012	...	— 8 8 16·54	—15·878	+ ·29	...	5	1·49	2542
1982	8·7†	W. B. XIV. 512	30 51·704	3·2699	·015	...	—13 35 29·29	15·858	·30	...	5	1·89	2544
1983	6·2	Mayer 592	31 40·428	3·2452	·014	—·059	—11 52 48·39	15·815	·30	+·39	5	1·30	2548†
1984	6·9	Mayer 593	33 37·772	3·2206	·013	—·002	—10 7 23·03	15·709	·30	+·01	5	1·67	2553
1985	7·8†	Lalande 26684	33 49·204	3·3336	·017	...	—17 27 18·80	15·699	·31	...	5	2·88	2555
1986	7·7	Lalande 26702	14 34 36·698	+3·3080	+·016	...	—15 46 10·98	—15·655	+ ·31	...	5	3·24	2556
1987	7·2	Lalande 26708	35 3·818	3·2750	·015	...	—13 36 59·81	15·631	·31	...	5	3·09	2558
1988	8·2†	W. B. XIV. 596	35 24·042	3·2952	·015	...	—14 53 24·40	15·612	·31	...	5	3·48	2561
1989	7·1	Piazzi XIV. 142	35 24·476	3·4142	·020	...	—22 11 21·07	15·612	·32	...	5	2·27	2562
1990	7·2	Lalande 26719	35 47·618	3·3698	·018	...	—19 29 55·26	15·590	·32	...	5	3·50	2565
1991	8·2†	W. B. XIV. 623	14 36 35·064	+3·2737	+·015	...	—13 25 34·19	—15·547	+ ·31	...	5	3·08	2566
1992	7·1	Mayer 594	36 36·640	3·2487	·014	—·001	—11 48 26·15	15·545	·31	+·01	5	2·68	2567
1993	8·6†	Lalande 26746	36 54·538	3·3928	·019	...	—20 46 1·20	15·529	·32	...	5	3·50	2568
1994	3·9	107 Virginia	^μ 37 47·364	3·1500	·011	+·0070	— 5 13 25·55	15·480	·30	—·322	16	2·86	2573*
1995	6·6	W. B. XIV. 651	38 3·956	3·2112	·012	...	— 9 16 24·40	15·465	·30	...	5	1·90	2574
1996	8·0†	Lalande 26849	14 40 2·788	+3·3239	+·016	...	—16 19 16·46	—15·354	+ ·32	...	5	3·07	2580
1997	7·5	Lalande 26858	40 17·730	3·3398	·017	...	—17 16 31·41	15·340	·32	...	5	3·08	2581
1998	5·9	Lalande 26855	40 22·240	3·4329	·020	...	—22 43 47·68	15·336	·33	...	5	3·49	2582
1999	8·2†	Lalande 26863	40 26·010	3·3613	·017	...	—18 33 27·35	15·332	·32	...	5	3·50	2583
2000†	6·6	5 Libræ	40 26·825	3·3036	·015	—·0028	—15 2 17·26	15·331	·32	+·006	11	3·46	2584

2000. 6·6, 11·7 2"·8 249° 1889·4.

1964. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2001	6.4	Mayer 596	^{h m s} 14 40 30.438	^s +3.3986	^s +0.019	^s -0.006	-20° 45' 7".34	-15.329	+ ".33	- ".10	5	3.53	2585
2002	9.2†	B. D. - 20° 4088 ...	40 40.507	3.3984	.019	...	-20 43 19.62	15.318	.33	...	3	2.50	2586
2003	6.1	Mayer 597	41 32.448	3.4031	.019	-0.002	-20 54 18.99	15.270	.33	.00	5	2.88	2589
2004	6.4	Lalande 26929	42 27.508	3.2639	.014	+0.004	-12 25 8.71	15.218	.32	-0.09	5	2.48	2591†
2005	7.7†	Lalande 26967	43 46.620	3.2332	.013	...	-10 24 39.25	15.142	.32	...	5	2.67	2594
2006	7.1	Lalande 26962	14 43 48.448	+3.3823	+0.018	...	-19 29 15.79	-15.140	+ ".33	...	5	3.28	2595
2007†	5.8	7 Libræ..... ^μ	43 50.100	3.2864	.015	-0.0053	-13 43 57.08	15.139	.32	-0.028	4	3.49	2596*
2008	7.5	Lalande 26983	44 25.070	3.2081	.012	...	-8 47 13.33	15.106	.31	...	5	3.30	2597
2009	5.4	8 Libræ.....	45 9.221	3.3182	.016	-0.0073	-15 34 53.41	15.063	.32	-0.074	5	2.32	2598*
2010	2.7	9 Libræ..... ^α	45 20.680	3.3192	.016	-0.0078	-15 37 34.67	15.052	.32	-0.076	24 : 26	2.12 : 2.23	2600*
2011	6.7	Bradley 1895.....	14 45 59.257	+3.3494	+0.017	-0.0076	-17 22 28.31	-15.016	+ ".33	- ".12	3	2.48	2603
2012	7.9†	O. A. 13998	46 4.308	3.3982	.018	...	-20 12 7.93	15.010	.34	...	6	3.35	2604
2013	6.8	10 Libræ.....	46 14.532	3.3594	.017	-0.0048	-17 56 35.41	15.000	.33	+0.014	5	3.31	2605
2014	8.5†	Lalande 27042	46 26.652	3.3453	.016	...	-17 5 48.50	14.988	.33	...	5	3.30	2606
2015	8.0†	Piazzi XIV. 194.....	47 0.202	3.3104	.015	...	-14 58 36.89	14.956	.33	...	5	0.86	2608
2016	7.8†	W. B. XIV. 846.....	14 47 27.626	+3.2657	+0.014	...	-12 13 58.99	-14.929	+ ".32	...	5	1.69	2609
2017	8.3†	B. D. - 22° 3858....	47 31.844	3.4520	.020	...	-23 3 29.17	14.925	.34	...	5	3.30	2611
2018	8.3†	B. D. - 21° 3985....	47 35.352	3.4183	.019	...	-21 11 42.50	14.922	.34	...	5	3.31	2612
2019*	7.3	Piazzi XIV. 203.....	48 29.714	3.2091	.012	...	-8 40 37.56	14.868	.32	...	5	2.32	2613
2020	5.5	12 Libræ	48 31.498	3.4758	.021	-0.0014	-24 13 59.62	14.867	.35	-0.037	5	2.66	2614
2021	5.8	13 Libræ	14 48 57.030	+3.2549	+0.013	-0.0047	-11 29 25.22	-14.842	+ ".33	-0.020	5	2.90	2615*
2022	9.1†	O. A. 14054.....	49 20.650	3.4168	.019	...	-20 56 54.06	14.818	.34	...	3	0.48	2616
2023	7.4	Lalande 27123	49 25.470	3.3930	.018	...	-19 36 19.90	14.815	.34	...	5	2.13	2617
2024	7.8†	Lalande 27152	50 23.566	3.2894	.014	...	-13 29 42.29	14.756	.33	...	5	1.89	2619
2025	7.7	Lalande 27159	50 40.614	3.3758	.017	...	-18 31 23.21	14.740	.34	...	5	3.11	2620
2026	7.1	Lalande 27160	14 50 45.146	+3.3389	+0.016	...	-16 23 43.16	-14.736	+ ".34	...	5	2.87	2621
2027	5.7	15 Libræ	51 20.456	3.2491	.013	-0.0006	-11 0 21.89	14.701	.33	-0.001	15	1.69	2622*
2028	5.7	Piazzi XIV. 212.....	51 37.748	3.4208	.019	+0.0744	-20 57 57.88	14.683	.35	-1.794	6	3.51	2623*
2029	7.6	Lalande 27215	52 18.958	3.2668	.014	...	-12 2 5.90	14.642	.33	...	5	1.69	2624
2030	6.8	Piazzi XIV. 223.....	52 29.638	3.3509	.016	...	-16 57 45.18	14.632	.34	...	5	2.33	2626
2031	7.5	Lalande 27229.....	14 52 56.122	+3.4421	+0.019	...	-21 59 58.11	-14.606	+ ".35	...	5	3.29	2627
2032	9.1†	C. Z. XIV. 3282	52 57.594	3.4694	.020	...	-23 26 56.93	14.604	.35	...	5	3.52	2628
2033	8.5†	Lalande 27251	53 20.110	3.3186	.015	...	-15 2 7.83	14.582	.34	...	5	2.51	2629
2034	5.9	18 Libræ	53 28.970	3.2464	.013	-0.0084	-10 44 31.70	14.573	.33	-0.072	5	2.51	2630
2035	8.5†	Lalande 27274	54 9.073	3.4368	.019	-0.0437	-21 36 1.04	14.532	.35	-0.502	3	0.79	2632†
2036	9.1†	B. D. - 19° 4000 ...	14 54 20.026	+3.4031	+0.018	...	-19 44 55.86	-14.521	+ ".35	...	5	3.08	2633
2037	8.8	Lalande 27291	54 41.900	3.3081	.015	...	-14 19 49.03	14.499	.34	...	5	3.11	2634
2038	8.2*	Piazzi XIV. 234.....	54 43.896	3.3763	.017	...	-18 13 44.69	14.497	.35	...	5	2.50	2635
2039	8.9†	C. Z. XIV. 3426	55 18.538	3.4990	.021	...	-24 45 6.73	14.462	.36	...	5	2.29	2636
2040	8.0†	Lalande 27339	56 44.809	3.4415	.019	...	-21 37 11.05	14.375	.36	...	8	2.63	2637

2007. 5.8, 6.6 1" 6 340° 1898.6.
2019. H. C. O. and B. D. 7.3, Cordoba 8.5, Cape 8.0.

2004. Proper Motion from *Paris Catalogue*.
2035. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2041	7.0	Piazzi XIV. 246.....	^h 14 ^m 57 ^s 29.118	+3.3623	+0.016	...	-17° 14' 19".25	-14.330	+0.35	...	5	1.11	2639
2042	7.6	Lalande 27376.....	57 39.450	3.2790	.014	...	-12 27 51.21	14.320	.34	...	5	3.12	2640
2043	8.0*	Piazzi XIV. 252.....	57 58.290	3.3443	.016	...	-16 11 57.13	14.300	.35	...	6	3.13	2641
2044	3.6	Scorpii 1 H.....	58 12.922	3.5074	.021	-0.0056	-24 53 20.38	14.285	.36	-0.048	16 : 18	2.03 : 2.14	2642*
2045	8.7†	Lalande 27400.....	58 35.686	3.3251	.015	...	-15 4 12.12	14.262	.35	...	5	2.35	2643
2046	7.3	Lalande 27420.....	14 59 29.348	+3.4652	+0.019	...	-22 37 24.93	-14.207	+0.36	...	5	1.72	2644
2047	8.5†	O. A. 14235.....	15 0 5.994	3.4168	.018	...	-20 1 35.65	14.169	.36	...	5	3.28	2645
2048	7.6†	B. D. - 21° 40.28...	15 0 16.637	3.4548	.019	...	-22 0 55.61	14.158	.36	...	3	0.46	2646
2049	9.0†	Lalande 27455.....	15 0 30.350	3.3060	.014	...	-13 52 6.08	14.144	.35	...	5	3.53	2647
2050	7.9	Lalande 27451.....	15 0 33.948	3.3983	.017	...	-18 59 20.00	14.140	.36	...	5	2.73	2648
2051	8.7†	B. D. - 21° 40.29...	15 0 40.607	+3.4450	+0.019	...	-21 27 56.55	-14.133	+0.36	...	3	2.54	2649
2052	6.1	Lalande 27453.....	0 40.830	3.4484	.019	...	-21 38 34.44	14.133	.36	...	5	3.52	2650
2053	5.3	21 Libræ.....	1 2.814	3.3422	.015	-0.0052	-15 52 9.06	14.110	.35	-0.030	5	2.11	2651
2054	7.3	Piazzi XIV. 268.....	1 5.070	3.2831	.014	...	-12 31 9.87	14.108	.35	...	5	3.48	2652
2055	7.3	Lacaille 6235.....	1 26.212	3.4919	.020	...	-23 48 28.13	14.086	.37	...	5	3.34	2653
2056	9.4†	B. D. - 22° 39.02...	15 2 0.777	+3.4635	+0.019	...	-22 18 45.60	-14.050	+0.37	...	3	1.84	2654
2057	7.6	Piazzi XIV. 276.....	2 39.674	3.2696	.013	...	-11 39 55.79	14.009	.35	...	5	1.48	2655
2058	8.0	Lalande 27519.....	3 4.780	3.4725	.019	...	-22 40 57.68	13.984	.37	...	5	2.53	2656
2059	9.3†	O. A. 14293.....	3 10.027	3.4595	.019	...	-22 0 29.31	13.978	.37	...	3	0.47	2657
2060	9.1†	O. A. 14294.....	3 18.267	3.4568	.019	...	-21 51 26.14	13.970	.37	...	3	3.46	2658
2061	7.4	Piazzi XIV. 280.....	15 3 31.450	+3.3047	+0.014	...	-13 37 1.62	-13.956	+0.35	...	5	3.11	2659
2062†	8.5†	B. D. - 22° 39.08...	4 12.853	3.4677	.019	...	-22 20 18.31	13.912	.37	...	3	1.20	2660
2063	5.9	Lacaille 6253.....	4 23.632	3.5410	.021	...	-25 57 5.47	13.900	.38	...	5	3.08	2661
2064	8.0	Lalande 27582.....	4 32.670	3.3793	.016	...	-17 40 32.87	13.891	.36	...	5	1.69	2662
2065	7.5	Piazzi XV. 1.....	5 43.908	3.2901	.014	...	-12 40 30.96	13.816	.35	...	5	1.71	2663
2066	9.1†	O. A. 14335.....	15 5 47.824	+3.4428	+0.018	...	-20 55 52.94	-13.812	+0.37	...	5	3.30	2664
2067	8.9†	W. B. XV. 42.....	6 14.498	3.3296	.015	...	-14 51 11.38	13.784	.36	...	5	3.50	2665
2068	6.9	Lalande 27640.....	6 14.610	3.3466	.015	...	-15 46 52.15	13.783	.36	...	5	1.90	2666
2069	4.5	24 Libræ.....	6 31.167	3.4147	.017	-0.0031	-19 24 48.14	13.766	.37	-0.053	15	1.85	2667*
2070	6.0	25 Libræ.....	7 37.272	3.4135	.017	-0.0052	-19 16 16.17	13.696	.37	-0.022	5	1.71	2669
2071	7.3	23 Libræ.....	15 7 37.818	+3.5259	+0.021	-0.0306	-24 55 55.59	-13.695	+0.38	-0.058	5	2.52	2670†
2072	8.6†	C. G. A. 20638.....	7 56.126	3.4904	.019	...	-23 9 56.23	13.676	.38	...	5	3.47	2671
2073	7.0	Lalande 27729.....	8 46.734	3.3137	.014	...	-13 50 7.45	13.627	.36	...	5	1.49	2673
2074	6.3	26 Libræ.....	8 55.064	3.3797	.016	-0.0033	-17 23 42.63	13.613	.37	-0.009	5	2.54	2674
2075	5.8	Mayer 611.....	10 35.086	3.4719	.019	-0.005	-22 1 46.76	13.506	.38	-0.02	5	1.07	2679
2076	7.0	Lalande 27809.....	15 11 18.296	+3.2949	+0.013	...	-12 40 13.08	-13.459	+0.36	...	5	1.49	2681
2077	8.7†	W. B. XV. 146.....	11 26.604	3.3418	.015	...	-15 12 31.85	13.450	.37	...	5	2.53	2682
2078	9.1†	B. D. - 16° 40.49...	12 1.344	3.3727	.015	...	-16 49 42.64	13.413	.37	...	5	3.46	2684
2079	8.0†	Lalande 27825.....	12 5.808	3.4409	.017	...	-20 21 15.28	13.407	.38	...	5	2.12	2685
2080	9.2†	O. A. 14441.....	12 52.620	3.5048	.019	...	-23 27 29.70	13.356	.39	...	3	0.80	2686

2062. 8.8, 10.4 1" 7 122° 1898.5.

2071. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2081†	7.2	Lacaille 6317	^{h m s} 15 13 17.228	^s +3.5146	^s +0.19	...	^s -23° 53' 59".32	-13.330	+ "39	...	4	1.51	2687
2082†	7.2	Lacaille 6325	13 48.086	3.5156	.020	...	-23 54 19.67	13.296	.39	...	5	2.51	2688
2083	7.0	Lalande 27896	14 7.828	3.4208	.017	...	-19 11 13.15	13.275	.38	...	5	1.46	2690
2084	8.0†	Lalande 27919	14 38.666	3.3007	.013	...	-12 49 43.26	13.240	.37	...	5	3.08	2692
2085	7.2	Lacaille 6334	14 45.192	3.5537	.021	...	-25 37 26.65	13.234	.40	...	5	1.91	2693
2086	6.2	28 Libræ	15 15 13.358	+3.3951	+0.16	- .0018	-17 47 43.65	-13.204	+ .38	- .061	5	2.10	2694
2087	6.2	29 Libræ	15 25.854	3.3455	.015	+ .0007	-15 11 16.16	13.189	.37	+ .038	5	2.10	2695
2088	8.5†	Lalande 27972	16 33.158	3.4934	.019	...	-22 37 3.88	13.116	.39	...	5	1.91	2696
2089	6.6	30 Libræ	17 27.048	3.3399	.014	- .0005	-14 46 37.56	13.056	.37	+ .003	16	1.99 : 1.93	2697*
2090	7.6	Lalande 28012	17 53.354	3.3675	.015	...	-16 12 24.33	13.027	.38	...	5	1.72	2699
2091	5.9	Mayer 616	15 18 22.930	+3.2888	+0.13	- .005	-12 0 45.12	-12.994	+ .37	- .03	5	1.91	2700
2092	9.0†	O. A. 14514	18 24.266	3.4526	.017	...	-20 29 13.90	12.993	.39	...	5	3.54	2701
2093	7.7	Lalande 28038	18 31.694	3.3253	.014	...	-13 57 14.20	12.984	.38	...	5	3.29	2702
2094	7.5	Lalande 28032	18 43.066	3.5542	.020	...	-25 18 43.03	12.972	.40	...	5	3.51	2703
2095	8.6†	C. G. A. 20868	18 58.884	3.5085	.019	...	-23 9 14.48	12.954	.40	...	5	3.32	2705
2096	7.7	Lalande 28046	15 19 8.948	+3.4782	+0.18	...	-21 41 21.43	-12.943	+ .39	...	5	2.11	2706
2097	7.6	Lalande 28087	20 10.558	3.4083	.016	...	-18 9 49.42	12.875	.39	...	5	1.27	2708
2098	7.0	Lalande 28117	21 5.434	3.4394	.017	...	-19 39 16.67	12.812	.39	...	5	1.91	2710
2099	7.4	B. D. - 14° 4208 ...	22 7.034	3.3410	.014	...	-14 36 19.23	12.744	.38	...	5	1.48	2711
2100	7.0	C. G. A. 20954	22 35.157	3.6963	.024	...	-31 7 41.90	12.712	.42	...	3	1.86	2712
2101	5.9	32 Libræ	15 22 36.918	+3.3759	+0.15	+ .0006	-16 22 4.33	-12.710	+ .39	- .043	15	2.85	2713*
2102	9.3†	C. P. D. - 23° 6191	23 15.397	3.5196	.019	...	-23 21 9.87	12.666	.40	...	3	2.80	2714
2103	9.9†	C. P. D. - 23° 6193	23 51.690	3.5290	.019	...	-23 44 54.41	12.625	.40	...	3	2.15	2715
2104	8.5†	Lalande 28187	23 59.377	3.5281	.019	...	-23 41 57.63	12.617	.40	...	3	1.17	2717
2105	6.3	Lalande 28212	24 49.378	3.4594	.017	...	-20 23 3.78	12.560	.40	...	5	1.52	2718
2106	6.0	34 Libræ	15 25 1.836	+3.3765	+0.15	- .0006	-16 15 59.03	-12.546	+ .39	- .010	5	1.91	2719
2107	7.3	Lalande 28222	25 14.220	3.5217	.018	...	-23 18 45.10	12.532	.41	...	3	2.55	2721
2108	6.1	Mayer 621	25 58.090	3.4493	.016	- .006	-19 49 22.12	12.481	.40	- .02	3	1.47	2722
2109	8.7†	O. A. 14622	26 16.022	3.4154	.016	...	-18 8 43.68	12.461	.40	...	5	3.11	2724
2110	7.0	Lalande 28251	26 20.736	3.4875	.017	...	-21 37 33.07	12.455	.40	...	5	1.90	2725
2111	8.9†	Lalande 28259	15 26 40.177	+3.5299	+0.19	...	-23 34 56.40	-12.434	+ .41	...	3	0.51	2726
2112	5.4	Mayer 622	26 51.957	3.4403	.016	- .003	-19 19 47.82	12.420	.40	- .04	12	2.62	2727
2113	7.5	Lacaille 6419	27 9.554	3.5723	.020	...	-25 27 39.74	12.399	.42	...	5	3.14	2728
2114	7.0	Lacaille 6420 <i>seq.</i>	27 14.388	3.5433	.019	...	-24 9 3.50	12.395	.41	...	5	3.52	2729
2115	5.6	35 Libræ	27 16.130	3.3838	.015	- .0028	-16 30 49.37	12.393	.39	- .016	5	2.74	2730
2116	8.5†	Lalande 28282	15 27 22.598	+3.5211	+0.18	...	-23 7 35.67	-12.385	+ .41	...	5	3.35	2731
2117	7.6	Lalande 28297	27 43.696	3.3089	.013	...	-12 40 29.71	12.360	.38	...	5	1.28	2732
2118	4.1	38 Libræ	29 55.867	3.3456	.014	+ .0047	-14 27 21.75	12.209	.39	+ .006	25 : 29	2.29 : 2.33	2733*
2119	9.2†	O. A. 14696	31 4.413	3.5457	.018	...	-23 58 57.07	12.130	.42	...	3	1.52	2734
2120	8.0†	Lalande 28404	31 17.506	3.3612	.014	...	-15 10 57.20	12.114	.40	...	5	2.32	2735

2081. 7.3, 9.7 2" 178° 1898.1.
2082. 7.8, 8.1 1 " 321 1898.5.

No.	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900.0	Ledger 1900-4.
2121	9.2 $\frac{1}{2}$	C. Z. XV. 2064.....	^{h m s} 15 31 22.617	^s +3.5483	^s +0.18	...	-24° 4' 42".06	-12".108	+ ".42	...	3	3.56	2736
2122	6.0	Mayer 627	31 28.460	3.5907	.020	- .002	-25 56 56.41	12.102	.42	- .05	5	1.29	2737
2123	8.5 $\frac{1}{2}$	C. Z. XV. 2089.....	31 48.717	3.5517	.019	...	-24 12 5.09	12.077	.42	...	3	2.56	2738
2124	6.0	Lalande 28414	31 55.188	3.5210	.018	...	-22 48 35.85	12.070	.41	...	5	1.92	2739
2125	8.4 $\frac{1}{2}$	C. G. A. 21184	32 25.666	3.5555	.019	...	-24 19 34.63	12.034	.42	...	5	3.53	2740
2126	5.9	C. G. A. 21187	^{h m s} 15 32 27.356	^s +3.4759	^s +0.17	...	-20 41 9.72	-12.033	+ ".41	...	5	3.14	2741
2127	7.2	Lalande 28446	32 51.743	3.5205	.018	...	-22 43 17.39	12.004	.42	...	3	0.50	2742
2128	7.3	Lalande 28453	33 0.218	3.4066	.015	...	-17 20 11.51	11.994	.40	...	5	2.14	2743
2129	5.3	41 Libræ	33 9.074	3.4406	.016	+ .0047	-18 58 21.36	11.984	.41	- .076	5	1.29	2744
2130	8.2 $\frac{1}{2}$	B. D. - 21° 4159...	33 9.630	3.5084	.017	...	-22 8 48.17	11.983	.41	...	5	3.32	2745
2131	8.9 $\frac{1}{2}$	B. D. - 20° 4288...	^{h m s} 15 33 11.700	^s +3.4825	^s +0.17	...	-20 56 45.48	-11.981	+ ".41	...	2	3.55	2746
2132	9.1 $\frac{1}{2}$	C. Z. XV. 2179.....	33 14.837	3.5412	.018	...	-23 37 54.12	11.977	.42	...	3	3.55	2747
2133	6.2	Lalande 28466	33 28.240	3.5236	.018	...	-22 49 23.31	11.962	.42	...	3	1.84	2749
2134	8.4 $\frac{1}{2}$	C. G. A. 21216	33 41.227	3.5384	.018	...	-23 28 27.77	11.947	.42	...	3	3.19	2750
2135	5.0	42 Libræ	34 22.059	3.5399	.018	- .0031	-23 29 35.02	11.899	.42	- .012	12	3.11	2751
2136	10.0 $\frac{1}{2}$	C. P. D. - 23° 2642...	^{h m s} 15 34 22.930	^s +3.5473	^s +0.18	...	-23 49 42.28	-11.897	+ ".42	...	3	3.50	2752
2137	8.2	C. G. A. 21239	34 38.992	3.5805	.019	...	-25 16 2.68	11.879	.43	...	5	3.15	2753
2138	9.6 $\frac{1}{2}$	O. A. 14754	34 41.473	3.5417	.018	...	-23 33 22.92	11.876	.42	...	3	1.52	2754
2139	9.0 $\frac{1}{2}$	B. D. - 17° 4399...	34 50.973	3.4166	.015	...	-17 43 39.04	11.865	.41	...	3	3.23	2755
2140	8.7 $\frac{1}{2}$	Lalande 28527	35 1.012	3.3901	.014	...	-16 25 52.57	11.853	.40	...	5	0.95	2756
2141	6.8	Piazzi XV. 144	^{h m s} 15 35 41.784	^s +3.3346	^s +0.13	...	-13 38 52.09	-11.804	+ ".40	...	5	1.69	2757
2142	5.0	43 Libræ	36 11.008	3.4524	.016	- .0035	-19 21 17.26	11.770	.41	- .106	13	2.52	2759*
2143	8.2 $\frac{1}{2}$	O. A. 14793	36 54.252	3.4306	.015	...	-18 17 12.64	11.719	.41	...	5	1.52	2761
2144	8.4 $\frac{1}{2}$	O. A. 14806	37 30.540	3.4850	.016	...	-20 47 54.01	11.676	.42	...	5	3.32	2762
2145	6.8	Lalande 28603	37 35.772	3.3179	.013	...	-12 44 6.49	11.670	.40	...	5	1.51	2763
2146	6.5	Bradley 1987 ...	^{h m s} 15 37 48.376	^s +3.3580	^s +0.14	- .001	-14 43 20.97	-11.655	+ ".40	- .083	5	2.94	2765
2147	7.4	Lalande 28617	38 16.812	3.3959	.014	...	-16 33 8.62	11.621	.41	...	5	1.14	2767
2148	7.7	Lalande 28610	38 21.106	3.5590	.018	...	-24 4 42.65	11.616	.43	...	5	3.14	2769
2149	5.5	44 Libræ	^{h m s} 38 26.763	^s 3.3714	^s .014	- .0041	-15 21 15.14	11.609	.41	- .064	12	2.53	2770
2150	8.1	C. G. A. 21346	39 46.840	3.5867	.019	...	-25 10 54.04	11.514	.43	...	5	1.74	2773
2151	6.9	Lalande 28672	^{h m s} 15 39 49.838	^s +3.5242	^s +0.17	...	-22 26 20.04	-11.510	+ ".43	...	5	1.08	2774
2152	8.5 $\frac{1}{2}$	O. A. 14859	40 44.934	3.3838	.014	...	-15 50 54.17	11.445	.41	...	5	1.15	2776
2153	8.2 $\frac{1}{2}$	O. A. 14864	41 16.548	3.6269	.019	...	-26 46 35.41	11.406	.44	...	5	2.54	2777
2154	8.0 $\frac{1}{2}$	Lalande 28724	41 32.450	3.4760	.016	- .0109	-20 9 20.81	11.387	.42	- .074	5	1.11	2778†
2155	8.7 $\frac{1}{2}$	B. D. - 20° 4331...	43 46.340	3.4787	.016	...	-20 9 32.10	11.227	.43	...	2	0.53	2781
2156	7.7	Lalande 28775	^{h m s} 15 44 5.474	^s +3.5018	^s +0.16	...	-21 11 5.67	-11.204	+ ".43	...	5	1.12	2782
2157	6.7	Lalande 28780	44 8.998	3.4239	.014	...	-17 35 47.08	11.199	.42	...	5	1.33	2783
2158	7.4	Lalande 28793	44 44.724	3.5426	.017	...	-22 57 11.15	11.156	.43	...	5	2.54	2784
2159	4.7	1 Scorpii.....	^{h m s} 44 57.770	^s 3.6011	^s .018	- .0058	-25 26 50.36	11.140	.44	- .038	5	1.74	2785
2160	7.4	Lalande 28838	45 52.616	3.4480	.015	...	-18 38 11.83	11.073	.42	...	5	1.35	2788

2154. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2161	8.0†	W. B. XV. 838	h m s 15 46 0.830	s +3.3618	s +0.13	...	-14° 33' 42".94	-11".063	+ ".41	...	5	2.32	2789
2162	6.3	Lalande 28847	46 3.214	3.3468	.013	...	-13 49 54.56	11.061	.41	...	5	1.90	2790
2163	4.9	45 Libræ	λ 47 31.648	3.4768	.015	- .0017	-19 52 5.58	10.953	.43	- .046	10 : 12	1.43 : 1.37	2793*
2164†	4.6	2 Scorpii	A 47 36.350	3.5951	.018	- .0035	-25 1 42.50	10.948	.44	- .014	5	1.52	2794
2165	5.4	Bradley 2009	47 55.394	3.5767	.017	- .0049	-24 14 6.55	10.924	.44	- .03	5	2.13	2795
2166	5.3	Lacaille 6579	15 47 58.656	+3.5638	+0.17	...	-23 40 48.46	-10.920	+ .44	...	5	2.52	2796
2167	4.4	46 Libræ	θ 48 7.832	3.4031	.014	+ .0067	-16 26 8.78	10.909	.42	+ .131	5	3.12	2797
2168	6.0	Lacaille 6581	48 24.678	3.6451	.019	...	-27 2 30.71	10.888	.45	...	5	2.93	2798
2169	6.7	Lalande 28912	48 47.102	3.5369	.016	...	-22 28 12.13	10.861	.44	...	5	3.35	2799
2170	5.8	47 Libræ	49 13.496	3.4615	.015	- .0040	-19 5 15.99	10.829	.43	- .014	5	1.50	2802
2171	5.7	4 Scorpii	15 49 27.388	+3.6205	+0.18	- .0060	-25 58 16.26	-10.812	+ .45	- .04	5	1.15	2803
2172	8.0†	B. D. - 17° 4450	50 5.774	3.4329	.014	...	-17 44 14.01	10.764	.43	...	5	0.92	2805
2173	7.0	Piazzi XV. 210	51 20.856	3.5110	.016	...	-21 11 42.00	10.671	.44	...	5	0.94	2807
2174	5.4	Lacaille 6621	52 34.984	3.5906	.017	...	-24 32 35.59	10.580	.45	...	5	1.73	2809
2175	4.6	48 Libræ	52 35.302	3.3551	.012	- .0026	-13 59 27.40	10.580	.42	- .008	5	1.92	2810
2176	8.3†	B. D. - 15° 4226	15 52 36.378	+3.3805	+0.13	...	-15 11 21.31	-10.579	+ .42	...	5	3.13	2811
2177	3.0	6 Scorpii	π 52 48.039	3.6221	.018	- .0010	-25 49 34.47	10.564	.45	- .048	12	2.97	2812*
2178	8.6†	Lalande 29044	53 19.294	3.4784	.015	...	-19 39 6.13	10.525	.44	...	5	2.37	2813
2179	7.7*	C. G. A. 21666	53 34.038	3.5770	.017	...	-23 54 34.59	10.507	.45	...	5	3.52	2815
2180	2.7	7 Scorpii	δ 54 25.123	3.5411	.016	- .0012	-22 20 13.61	10.443	.44	- .035	11 : 12	2.45 : 2.38	2817*
2181	5.4	49 Libræ	15 54 42.780	+3.4048	+0.13	- .0435	-16 14 20.36	-10.421	+ .43	- .390	5	0.92	2818*
2182	9.2†	B. D. - 18° 4213	55 12.714	3.4588	.014	...	-18 40 48.50	10.383	.44	...	5	2.93	2819
2183	7.2	Lalande 29094	55 14.360	3.5082	.015	...	-20 52 22.57	10.382	.44	...	5	1.33	2820
2184	8.4†	Lalande 29130	56 27.110	3.4710	.014	...	-19 10 22.45	10.290	.44	...	3	0.47	2822
2185	8.6†	O. A. 15148	56 53.516	3.4430	.014	...	-17 53 33.66	10.257	.44	...	5	1.14	2823
2186	4.9	Mayer 646	15 57 17.902	+3.6227	.017	- .007	-25 35 10.94	-10.227	+ .46	- .05	5	2.33	2825
2187	7.1	Lalande 29156	57 18.304	3.4808	.014	...	-19 33 45.44	10.227	.44	...	5	1.76	2826
2188	6.4	Lacaille 6663	57 54.242	3.3958	.017	...	-24 27 0.08	10.182	.46	...	5	1.54	2827
2189	8.0†	C. Z. XV. 4023	58 55.150	3.6521	.018	...	-26 40 23.68	10.105	.46	...	5	0.72	2830
2190	8.5†	Piazzi XV. 244	59 4.053	3.5069	.015	...	-20 37 30.68	10.094	.45	...	3	1.53	2831
2191†	2.7	8 Scorpii	β 15 59 37.255	+3.4825	+0.14	- .0011	-19 31 54.58	-10.052	+ .44	- .028	11 : 12	2.92 : 2.97	2833*
2192	7.8	O. A. 15199	15 59 49.698	3.5295	.015	...	-21 33 56.55	10.036	.45	...	5	1.77	2834
2193	8.7†	O. A. 15204	16 0 2.513	3.5139	.015	...	-20 52 51.30	10.020	.45	...	3	2.87	2835
2194	5.7	Lacaille 6689	16 0 8.426	3.5718	.016	...	-23 20 1.80	10.013	.46	...	5	1.92	2836
2195	8.5†	W. B. XV. 1093	16 0 27.230	3.3871	.012	...	-15 11 50.49	9.989	.43	...	5	3.53	2837
2196	4.3	9 Scorpii	ω ¹ 16 0 57.362	+3.5037	+0.14	- .0029	-20 23 54.11	- 9.951	+ .45	- .020	5	0.72	2838
2197	7.6	Lalande 29301	1 22.020	3.4201	.013	...	-16 40 24.05	9.920	.44	...	5	3.54	2840
2198	6.3	Lalande 29314	1 28.692	3.3577	.012	- .0219	-13 48 7.96	9.911	.43	+ .032	5	3.34	2841†
2199	4.6	10 Scorpii	ω ² 1 32.353	3.5089	.014	+ .0013	-20 35 54.97	9.907	.45	- .054	12	2.96	2842†
2200	8.3†	Lalande 29305	1 34.207	3.5107	.015	+ .0020	-20 40 21.79	9.905	.45	- .064	3	2.22	2843†

2164. 4.7, 7.9 2" 9 275° 1898.5.
2191. 2.7, 10.0 1 " 1 93 1898.3.

2198, 2200. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2201	5.5	Lacaille 6702.....	^h 16 ^m 2 ^s 1.814	+3.6412	+0.17	...	-26° 3' 31".91	-9.869	+47	...	5	1.35	2844
2202	5.8	Lacaille 6710.....	2 45.254	3.5771	.016	...	-23 25 6.41	9.814	.46	...	5	0.54	2846
2203	6.6	Lacaille 6720.....	4 9.078	3.6007	.016	...	-24 19 5.91	9.708	.46	...	5	1.33	2850
2204	6.4	Lalande 29395.....	4 9.628	3.4539	.013	...	-18 4 30.71	9.706	.45	...	5	1.58	2851
2205	8.0†	C. Z. XVI. 260.....	4 59.487	3.6152	.016	...	-24 51 24.07	9.642	.47	...	3	0.51	2852
2206	6.8	Lacaille 6728.....	^h 16 ^m 5 ^s 26.076	+3.6671	+0.17	...	-26 53 23.27	-9.609	+47	...	5	1.55	2853
2207	9.7†	C. Z. XV. 333.....	5 54.800	3.6240	.016	...	-25 9 54.29	9.572	.47	...	3	0.83	2855
2208	8.2†	Lalande 29456.....	5 56.540	3.5535	.015	...	-22 17 5.53	9.569	.46	...	5	2.56	2856
2209	4.6	13 Scorpil.....	6 8.510	3.6883	.018	+0.002	-27 40 1.29	9.555	.48	-0.022	5	1.54	2857†
2210†	7.9*	Piazzi XVI. 3.....	6 9.773	3.4813	.013	...	-19 11 25.76	9.553	.45	...	3	2.54	2858
2211	3.9	14 Scorpil.....	^h 16 ^m 6 ^s 10.906	+3.4815	+0.13	-0.0017	-19 12 3.34	-9.551	+45	-0.041	5	2.35	2859*
2212	9.0†	O. A. 15384.....	7 9.304	3.4047	.012	...	-15 45 34.93	9.477	.44	...	5	1.71	2860
2213	7.4	Lalande 29511.....	7 31.982	3.3850	.012	...	-14 51 36.40	9.447	.44	...	5	1.99	2862
2214	6.3	Lacaille 6751.....	7 44.602	3.6014	.016	...	-24 9 57.72	9.431	.47	...	5	0.94	2863
2215	6.7	Piazzi XVI. 10.....	7 47.566	3.5284	.014	...	-21 8 41.15	9.427	.46	...	5	2.31	2864
2216	8.1†	Lalande 29518.....	^h 16 ^m 8 ^s 2.466	+3.5859	+0.15	...	-23 31 8.41	-9.409	+47	...	5	2.16	2865
2217	9.3†	C. Z. XVI. 509.....	8 37.090	3.6279	.016	...	-25 10 59.62	9.364	.47	...	3	3.22	2867
2218	6.0	Mayer 656.....	8 49.742	3.6292	.016	-0.004	-25 13 23.97	9.347	.47	-0.01	5	2.17	2868
2219	9.8†	C. Z. XVI. 526.....	8 51.743	3.6290	.016	...	-25 12 46.99	9.344	.47	...	3	2.54	2869
2220	6.4	Lalande 29552.....	8 52.874	3.4628	.013	-0.0070	-18 16 44.44	9.343	.45	-0.133	5	3.13	2870†
2221	7.1	Piazzi XVI. 17.....	^h 16 ^m 8 ^s 57.298	+3.5531	+0.14	...	-22 7 36.19	-9.338	+46	...	5	3.34	2871
2222	7.5	Lacaille 6756.....	9 11.252	3.6740	.017	...	-26 57 15.79	9.320	.48	...	5	1.77	2872
2223	6.1	W. B. XVI. 140.....	10 12.728	3.3812	.011	...	-14 35 55.29	9.240	.44	...	5	0.75	2874
2224	6.5	C. G. A. 22055.....	11 5.150	3.5297	.014	...	-21 3 18.35	9.172	.46	...	3	0.59	2879
2225	6.7	Piazzi XVI. 28.....	11 8.362	3.5014	.013	...	-19 51 20.52	9.168	.46	...	5	1.55	2880
2226	7.2	Lalande 29677.....	^h 16 ^m 12 ^s 42.302	+3.4402	+0.12	...	-17 8 29.43	-9.046	+45	...	5	0.56	2885
2227	6.2	Piazzi XVI. 39.....	13 16.252	3.5063	.013	...	-19 58 26.71	9.002	.46	...	5	1.14	2887
2228	8.6†	B. D. - 15° 4300...	13 44.460	3.3994	.011	...	-15 18 11.33	8.965	.45	...	5	1.59	2888
2229	4.9	19 Scorpil.....	14 37.048	3.6037	.015	-0.0041	-23 55 41.99	8.897	.47	-0.025	5	0.98	2891
2230	8.0†	Lalande 29725.....	14 41.558	3.4719	.012	...	-18 26 58.29	8.890	.46	...	5	3.31	2892
2231	7.1	O. A. 15541.....	^h 16 ^m 14 ^s 47.878	+3.5467	+0.14	...	-21 36 0.85	-8.882	+47	...	5	2.55	2893
2232	3.0	20 Scorpil.....	15 6.529	3.6404	.015	-0.0011	-25 21 10.09	8.858	.48	-0.039	15	1.41 : 1.34	2895*
2233	8.3*	C. Z. XVI. 962.....	15 9.352	3.6830	.016	...	-26 59 31.18	8.855	.49	...	5	2.75	2896
2234†	7.4	Lalande 29770.....	16 53.068	3.5802	.014	...	-22 52 56.66	8.718	.47	...	5	1.14	2898
2235	6.7	Lalande 29778.....	17 9.282	3.4355	.012	...	-16 47 1.46	8.697	.46	...	5	0.60	2899
2236	4.6	4 Ophiuchi.....	^h 16 ^m 18 ^s 14.998	+3.5069	+0.13	-0.0032	-19 48 12.17	-8.611	+47	-0.049	12	2.15	2902
2237	7.3	Lacaille 6829.....	18 21.192	3.6853	.016	...	-26 55 5.39	8.603	.49	...	5	1.95	2903
2238	8.0†	C. Z. XVI. 1259....	19 21.886	3.6168	.014	...	-24 14 5.98	8.522	.48	...	5	1.76	2904
2239†	6.6	Piazzi XVI. 68.....	19 24.393	3.5916	.014	-0.0033	-23 13 46.19	8.520	.48	-0.045	4	1.03	2905†
2240	5.6	5 Ophiuchi <i>n p</i>	^h 19 ^m 35 ^s 19.8	3.5914	.014	-0.0015	-23 12 57.26	8.505	.48	-0.007	5	3.32	2908*

2210. 7.9, 8.9 2.0 45° 1898.5.

2234. 7.6, 9.3 1.4 320 1898.4.

2239. 7.0, 8.1 1.0 23 1898.5.

2220, 2239. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2241	5.4	5 Ophiuchi <i>sf</i> <i>p</i>	h m s 16 19 35.253	s +3.5914	s +0.14	s -0.015	-23° 13' 0".64	-8".505	+".48	-".007	3	1.90	2909*
2242	8.9†	O. A. 15624.....	19 35.788	3.5034	.013	...	-19 36 24.26	8.504	.47	...	5	2.37	2910
2243	8.2†	C. G. A. 22270.....	21 0.328	3.6651	.015	...	-26 1 51.52	8.393	.49	...	5	0.92	2915
2244	4.9	7 Ophiuchi..... <i>x</i>	21 13.586	3.4722	.012	-0.038	-18 13 46.09	8.374	.46	-0.018	12	2.55	2916
2245	7.6	O. A. 15647.....	21 18.020	3.5603	.013	-0.019	-21 53 34.20	8.369	.48	-0.36	5	3.33	2917†
2246	7.1	Lalande 29934.....	16 22 33.380	+3.4211	+0.11	...	-15 59 17.79	-8.269	+0.46	...	5	3.53	2921
2247†	1.3	21 Scorpii..... <i>a</i>	23 16.462	3.6725	.015	-0.006	-26 12 36.73	8.212	.49	-0.028	9	2.37	2923*
2248	8.0†	O. A. 15663.....	23 24.402	3.5488	.013	...	-21 20 51.29	8.202	.48	...	5	3.12	2924
2249	8.3†	Lalande 29968.....	23 54.030	3.4796	.012	...	-18 27 15.02	8.162	.47	...	5	3.54	2927
2250	6.8	Lacaille 6856.....	24 3.582	3.7133	.016	...	-27 41 47.61	8.148	.50	...	5	3.57	2928
2251	5.7	Lalande 29980.....	16 24 7.710	+3.3843	+0.10	...	-14 19 52.73	-8.143	+0.45	...	5	2.37	2929
2252	4.8	22 Scorpii.....	24 7.830	3.6390	.014	-0.027	-24 53 42.23	8.143	.49	+0.001	5	3.62	2930
2253	9.2†	O. A. 15693.....	24 58.283	3.5321	.012	...	-20 36 16.91	8.077	.48	...	3	3.51	2933
2254	6.2	Mayer 665.....	25 14.473	3.6776	.015	-0.004	-26 19 11.74	8.055	.49	-0.02	4	0.78	2934
2255	4.4	8 Ophiuchi..... <i>φ</i>	25 24.832	3.4324	.011	-0.055	-16 23 41.14	8.040	.46	-0.028	12	3.31	2935
2256	7.8†	O. A. 15698.....	16 25 38.532	+3.5817	+0.13	...	-22 35 5.43	-8.022	+0.48	...	5	2.97	2936
2257	8.5†	C. G. A. 22365.....	25 47.033	3.6644	.014	...	-25 47 44.03	8.011	.49	...	3	3.61	2937
2258	8.5†	Lalande 30030.....	25 52.296	3.4586	.011	...	-17 29 50.08	8.004	.47	...	5	3.60	2938
2259	4.5	9 Ophiuchi..... <i>ω</i>	26 12.432	3.5491	.013	+0.001	-21 15 8.71	7.978	.48	+0.047	12	3.25	2940
2260	8.7†	Lalande 30046.....	26 32.226	3.5319	.012	...	-20 32 16.78	7.951	.48	...	5	2.74	2941
2261	8.7†	Lalande 30069.....	16 27 48.514	+3.6218	+0.13	...	-24 4 42.87	-7.849	+0.49	...	5	0.95	2942
2262	9.2†	W. B. XVI. 476.....	28 20.792	3.4094	.010	...	-15 19 0.63	7.805	.46	...	5	2.12	2943
2263	8.5†	O. A. 15742.....	28 55.392	3.5143	.012	...	-19 43 55.38	7.759	.48	...	5	2.94	2944
2264	2.8	23 Scorpii..... <i>τ</i>	29 39.336	3.7287	.015	-0.013	-28 0 31.11	7.699	.51	-0.034	33 : 38	2.31 : 2.27	2945*
2265	8.6†	O. A. 15758.....	29 41.180	3.4844	.011	...	-18 27 56.17	7.697	.47	...	5	2.76	2946
2266	8.7†	C. G. A. 22456.....	16 29 46.506	+3.6524	+0.14	...	-25 10 26.58	-7.689	+0.50	...	5	2.57	2947
2267	7.8†	Lalande 30165.....	30 43.220	3.3905	.010	...	-14 26 8.00	7.614	.46	...	5	2.13	2948
2268	8.5†	O. A. 15773.....	31 41.104	3.5690	.012	-0.097	-21 51 10.55	7.535	.49	-0.110	5	1.75	2949†
2269	8.3†	Lalande 30197.....	31 52.420	3.4427	.010	...	-16 38 50.62	7.519	.47	...	5	2.32	2950
2270	7.6	Lalande 30207.....	32 19.694	3.5907	.013	...	-22 41 25.22	7.483	.49	...	5	2.93	2951
2271	8.7†	C. Z. XVI. 2154.....	16 32 25.676	+3.6984	+0.14	...	-26 47 18.19	-7.476	+0.50	...	5	3.58	2952
2272	6.7	Mayer 669.....	32 40.542	3.4758	.011	-0.002	-18 1 10.07	7.454	.47	-0.01	5	3.37	2953
2273	7.1	Lalande 30225.....	32 45.144	3.4905	.011	...	-18 37 30.63	7.449	.48	...	5	3.55	2954
2274	8.7†	C. Z. XVI. 2234.....	33 35.633	3.6467	.013	...	-24 48 36.82	7.380	.50	...	3	1.22	2957
2275	8.3†	Lalande 30254.....	34 4.134	3.6822	.014	...	-26 7 29.69	7.342	.50	...	5	1.56	2958
2276	6.6	Mayer 671.....	16 34 40.694	+3.5306	+0.11	-0.001	-20 12 49.04	-7.292	+0.48	+0.04	5	3.32	2959
2277	8.7†	W. B. XVI. 624.....	35 21.488	3.4100	.010	...	-15 9 41.30	7.236	.47	...	5	3.16	2961
2278	6.1	Lacaille 6940.....	35 32.386	3.6345	.013	...	-24 16 26.58	7.222	.50	...	5	3.57	2962
2279	5.0	24 Scorpii.....	35 47.286	3.4668	.010	-0.017	-17 32 55.50	7.201	.47	-0.004	12 : 13	2.40 : 2.34	2964*
2280	8.0†	Lalande 30315.....	35 48.712	3.4475	.010	...	-16 44 23.46	7.199	.47	...	5	3.34	2965

2247. 1.3, 7.2 3".2 272° 1896.6.

2245. Proper Motion from *Cincinnati Pub.*, 12.
2268. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	Mean Dec. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2281	5.5	Bradley 2115.....	^h 16 ^m 36 ^s 0.890	+3.5199	+0.11	-0.001	-19° 43' 57.98	-7.183	+0.48	+0.057	12	3.26	2966
2282	8.5†	O. A. 15868.....	37 5.332	3.5560	0.11	...	-21 9 7.75	7.096	.49	...	5	0.57	2969
2283†	6.4	Lacaille 6958.....	38 4.954	3.7176	0.14	...	-27 16 5.51	7.014	.51	...	5	1.18	2970
2284	6.0	Mayer 675.....	38 44.840	3.7477	0.14	-0.003	-28 19 25.06	6.959	.52	+0.01	5	1.58	2971
2285	6.9	15 Ophiuchi.....	39 7.668	3.6046	0.12	-0.004	-22 59 51.79	6.928	.50	+0.029	12	2.49	2972
2286	6.9	Lacaille 6975.....	16 39 38.190	+3.6971	+0.13	...	-26 27 51.70	-6.886	+0.51	...	3	0.51	2973
2287	6.9	Lalande 30436.....	39 39.234	3.5033	0.10	...	-18 57 8.74	6.885	.48	...	5	2.38	2974
2288	8.5†	O. A. 15925.....	40 19.762	3.4497	0.10	...	-16 43 1.34	6.829	.48	...	5	1.78	2975
2289	6.8	25 Scorpii.....	40 43.938	3.6679	0.12	+0.0019	-25 20 46.89	6.796	.50	-0.03	5	0.78	2976
2290	8.5†	Lalande 30506.....	41 54.550	3.5232	0.10	...	-19 41 43.81	6.699	.49	...	3	2.53	2977
2291	8.0†	C. G. A. 22719.....	16 42 58.206	+3.7700	+0.14	...	-28 56 44.11	-6.612	+0.52	...	5	0.59	2978
2292	8.9†	O. A. 15982.....	43 7.014	3.5386	0.11	...	-20 16 45.99	6.600	.49	...	5	0.99	2980
2293	9.4†	O. A. 15985 seq.....	43 9.497	3.5174	0.10	...	-19 25 43.18	6.595	.49	...	3	3.58	2981
2294	7.6	Lalande 30551.....	43 37.082	3.5743	0.11	...	-21 40 36.29	6.558	.50	...	5	2.16	2982
2295	6.8	18 Ophiuchi.....	43 39.102	3.6469	0.12	-0.002	-24 27 54.29	6.556	.51	-0.02	5	3.18	2983†
2296	5.9	Lalande 30563.....	16 43 44.930	+3.4224	+0.09	...	-15 29 34.49	-6.547	+0.47	...	5	1.96	2984
2297	8.7†	C. G. A. 22741.....	43 57.266	3.6158	0.11	...	-23 16 26.42	6.531	.50	...	5	3.62	2985
2298	9.2†	O. A. 16000.....	43 58.134	3.4849	0.10	...	-18 5 9.08	6.529	.48	...	5	3.61	2986
2299	7.4	Lalande 30556.....	43 59.626	3.7043	0.12	...	-26 34 3.54	6.527	.51	...	5	3.19	2987
2300	8.0†	C. G. A. 22758.....	44 50.958	3.7397	0.13	...	-27 48 27.78	6.456	.52	...	5	0.78	2989
2301	7.0	Mayer 678.....	16 45 10.586	+3.4442	+0.09	0.000	-16 22 27.60	-6.429	+0.48	0.00	5	0.80	2991
2302	8.1	Lalande 30608.....	45 18.800	3.5086	0.10	...	-19 0 53.95	6.418	.49	...	5	1.97	2993
2303	8.5†	C. Z. XVI. 3187.....	46 44.630	3.7072	0.12	...	-26 34 57.37	6.299	.52	...	3	0.48	2996
2304	5.9	Mayer 679.....	47 30.916	3.5408	0.10	-0.004	-20 14 54.12	6.235	.49	-0.02	5	0.60	2999
2305	9.6†	B. D. - 19° 4459...	47 51.295	3.5159	0.10	...	-19 14 29.55	6.207	.49	...	2	2.12	3002
2306	8.0†	Lalande 30681.....	16 48 8.412	+3.4807	+0.09	...	-17 48 38.84	-6.184	+0.48	...	5	1.40	3003
2307	7.1	Lacaille 7043.....	48 12.186	3.6832	0.12	...	-25 39 50.03	6.178	.51	...	5	2.54	3004
2308	8.1	O. A. 16091.....	48 39.890	3.5789	0.10	...	-21 42 57.06	6.139	.50	...	5	2.80	3005
2309	7.0	Lacaille 7051.....	48 48.147	3.6216	0.11	...	-23 20 53.69	6.128	.50	...	3	0.51	3006
2310	8.2†	C. G. A. 22881.....	48 51.882	3.6481	0.11	...	-24 20 42.27	6.123	.51	...	5	3.38	3007
2311	6.5	Piazzi XVI. 232.....	16 50 15.436	+3.4536	+0.09	...	-16 38 48.71	-6.007	+0.48	...	5	0.61	3012
2312	8.9†	C. Z. XVI. 3501.....	50 45.690	3.7166	0.12	...	-26 47 35.59	5.964	.52	...	5	2.38	3013
2313	5.5	24 Ophiuchi.....	50 46.091	3.6138	0.10	-0.0024	-22 59 29.16	5.964	.51	-0.002	12	2.41	3014†
2314	7.5	Lalande 30779.....	51 39.756	3.7360	0.12	...	-27 27 14.06	5.889	.52	...	5	1.78	3016
2315	8.7†	O. A. 16152.....	52 0.190	3.5282	0.09	...	-19 38 6.53	5.861	.49	...	5	1.02	3018
2316	8.4†	Piazzi XVI. 245.....	16 53 14.510	+3.4311	+0.08	...	-15 39 26.22	-5.756	+0.48	...	5	1.61	3021
2317	9.3†	C. Z. XVI. 3733.....	53 44.200	3.6701	0.11	...	-25 1 11.73	5.716	.52	...	3	1.93	3022
2318	6.3	Bradley 2153.....	53 50.266	3.6681	0.11	-0.0024	-24 56 25.37	5.708	.52	-0.04	5	1.77	3023
2319	9.5†	C. Z. XVI. 3745.....	53 51.463	3.6441	0.10	...	-24 3 5.38	5.706	.51	...	3	1.56	3024
2320	5.8	26 Ophiuchi.....	54 1.954	3.6653	0.11	+0.002	-24 50 11.48	5.691	.51	-0.064	5	1.02	3025

2283. 6.5, 9.1 1st 9. 355° 1897.5.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2321	8.0*	C. G. A. 23011.....	^{h m s} 16 54 11.414	^s +3.7677	^s +0.12	...	-28° 29' 2".41	-5.677	+53	...	5	3.56	3026
2322	7.4	Lalande 30869.....	54 32.012	3.5725	0.10	-0.047	-21 18 34.57	5.649	50	-0.091	5	3.00	3027†
2323	8.3‡	C. Z. XVI. 3846.....	55 19.417	3.6747	0.11	...	-25 8 21.45	5.583	52	...	3	0.94	3029
2324	7.2	Lalande 30891.....	55 19.694	3.5468	0.09	...	-20 17 17.84	5.582	50	...	5	2.79	3030
2325	7.7	Lalande 30896.....	55 23.958	3.4696	0.08	...	-17 11 50.36	5.576	49	...	5	3.37	3031
2326	4.9	30 Ophiuchi.....	16 55 47.178	+3.1638	+0.06	-0.018	-4 4 21.85	-5.544	+45	-0.076	21 : 22	1.56 : 1.52	3032*
2327	6.4	29 Ophiuchi.....	56 0.150	3.5081	0.09	-0.051	-18 44 18.47	5.526	49	+0.004	5	2.39	3033
2328	7.5	Lalande 30926.....	56 51.138	3.7263	0.11	...	-26 57 13.46	5.454	53	...	5	3.18	3034
2329	7.7	Lalande 30946.....	57 19.174	3.6187	0.10	...	-23 0 28.44	5.415	51	...	5	1.39	3036
2330	6.7	28 Ophiuchi.....	57 51.464	3.6880	0.10	-0.003	-25 33 19.72	5.370	52	0.00	5	1.58	3037
2331	8.0	Lalande 30978.....	16 57 55.974	+3.4347	+0.08	...	-15 43 25.25	-5.363	+49	...	5	0.80	3038
2332	6.7	Lacaille 7111.....	16 58 9.612	3.7698	0.11	+0.076	-28 26 3.80	5.343	53	-0.280	5	2.39	3039†
2333	6.8	31 Ophiuchi.....	16 58 34.315	3.6871	0.10	-0.0003	-25 30 10.21	5.310	52	-0.09	12	3.17	3040
2334	6.2	Mayer 688.....	16 58 49.802	3.5505	0.09	-0.002	-20 21 15.05	5.287	50	0.00	5	1.78	3041
2335	6.3	Bradley 2162.....	17 0 13.488	3.5790	0.09	-0.048	-21 25 33.16	5.169	51	-0.098	5	0.59	3043
2336	6.2	Mayer 690.....	17 0 41.392	+3.7130	+0.10	-0.001	-26 22 39.26	-5.131	+53	-0.02	5	1.00	3044
2337	7.2	Lacaille 7145.....	1 48.472	3.6718	0.10	...	-24 51 55.58	5.035	52	...	5	1.80	3045
2338	6.2	Mayer 691.....	2 26.380	3.4799	0.08	-0.001	-17 28 35.87	4.983	49	-0.01	5	0.60	3046
2339	9.0‡	C. G. A. 23195.....	2 30.840	3.6244	0.09	...	-23 5 41.57	4.976	51	...	5	1.96	3047
2340	8.2‡	Lalande 31140.....	3 17.493	3.4964	0.08	...	-18 7 35.21	4.910	50	...	3	0.61	3049
2341	6.9	Piazzi XVI. 305.....	17 4 21.802	+3.5268	+0.08	...	-19 18 34.04	-4.819	+50	...	5	0.79	3051
2342	2.6	35 Ophiuchi.....	7 4 38.548	3.4347	0.07	+0.017	-15 36 3.74	4.795	49	+0.091	25 : 26	2.51 : 2.44	3052*
2343	7.4	Lalande 31212.....	5 26.294	3.5527	0.08	...	-20 17 59.72	4.728	51	...	5	1.17	3053
2344	9.2‡	C. Z. XVII. 271.....	5 36.268	3.8027	0.10	...	-29 20 55.22	4.714	54	...	5	3.19	3054
2345	7.5	Lalande 31230.....	5 43.854	3.4539	0.07	...	-16 22 5.17	4.702	49	...	5	2.56	3055
2346	6.3	Lacaille 7169.....	17 6 4.932	+3.6819	+0.09	...	-25 7 52.96	-4.673	+52	...	5	2.38	3056
2347	6.1	Lacaille 7167.....	6 9.250	3.7529	0.10	...	-27 38 19.11	4.667	53	...	5	3.38	3057
2348	7.7†	Lalande 31247.....	6 21.100	3.6189	0.09	...	-22 48 11.33	4.650	52	...	5	1.40	3058
2349	6.8	Lalande 31255.....	6 40.418	3.5842	0.08	...	-21 29 4.91	4.623	51	...	5	1.99	3059
2350	9.0‡	O. A. 16470.....	7 19.833	3.6277	0.08	...	-23 6 44.25	4.566	52	...	3	0.61	3061
2351	9.0‡	C. Z. XVII. 401.....	17 7 33.737	+3.6350	+0.09	...	-23 22 53.66	-4.546	+52	...	3 : 2	2.24 : 2.08	3064
2352	9.3‡	O. A. 16474.....	7 35.720	3.6266	0.08	...	-23 4 0.66	4.544	52	...	3	3.60	3065
2353	8.2‡	O. A. 16485.....	8 4.554	3.4980	0.07	...	-18 6 0.27	4.502	50	...	5	1.57	3067
2354	8.6‡	B. D. - 19° 4569...	8 59.054	3.5402	0.08	...	-19 44 50.73	4.426	51	...	5	1.40	3069
2355	8.0‡	Lalande 31302.....	9 0.718	3.7198	0.09	...	-26 24 57.02	4.423	53	...	5	2.61	3070
2356	5.4	36 Ophiuchi.....	17 9 11.772	+3.7211	+0.09	-0.370	-26 27 22.69	-4.407	+53	-1.168	3	0.94	3072*
2357	5.4	36 Ophiuchi.....	9 11.777	3.7211	0.09	-0.370	-26 27 20.06	4.407	53	-1.168	3	2.60	3073*
2358	7.5	Lalande 31337.....	10 24.640	3.5928	0.08	-0.053	-21 44 27.66	4.303	51	-0.143	5	1.39	3074†
2359	7.4	Lalande 31356.....	10 54.684	3.4917	0.07	0.000	-17 48 8.55	4.261	50	-0.10	5	1.01	3075†
2360	9.0*	C. Z. XVII. 662.....	11 22.308	3.7914	0.09	...	-28 49 38.31	4.222	54	...	5	2.38	3078

2322, 2332, 2358. Proper Motion from *Cincinnati Pub.*, 13.
2359. Proper Motion from *Paris Catalogue*.

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2361	8·6†	C. Z. XVII. 683.....	h m s 17 11 37·382	s +3·7572	s +·009	...	-27° 39' 39"70	- 4"201	+ "54	...	5	3·01	3080
2362	5·1	39 Ophiuchi.....	11 54·718	3·6592	·008	- ·0061	-24 10 40·34	4·175	·52	- ·017	5	2·17	3081
2363	6·7	Bradley 2182.....	12 0·608	3·6533	·008	+ ·0051	-23 57 45·16	4·166	·52	- ·08	4	2·45	3082
2364	6·6	Lalande 31408.....	12 33·592	3·4524	·007	...	-16 12 16·98	4·119	·49	...	6	1·59	3083
2365	9·0†	O. A. 16586.....	12 52·648	3·6169	·008	...	-22 36 3·37	4·092	·52	...	5	2·00	3084
2366	7·9	Lalande 31429.....	17 13 37·638	+3·5192	+·007	...	-18 50 57·28	- 4·028	+ ·51	...	5	1·20	3089
2367	6·8	Lacaille 7238.....	14 6·552	3·8060	·009	...	-29 15 39·17	3·987	·55	...	5	1·76	3091
2368	4·4	40 Ophiuchi.....	15 0·629	3·5755	·007	+ ·0151	-21 0 20·88	3·909	·51	- ·197	12	2·84	3092†
2369	3·3	42 Ophiuchi.....	15 52·031	3·6812	·008	- ·0006	-24 53 59·07	3·837	·53	- ·036	18	2·71	3095*
2370	8·1†	C. G. A. 23509.....	16 10·498	3·7155	·008	...	-26 6 55·47	3·810	·53	...	5	0·80	3096
2371	8·0†	O. A. 16683.....	17 16 34·230	+3·4796	+·006	...	-17 14 31·69	- 3·776	+ ·50	...	4	2·86	3098
2372	7·9†	O. A. 16687.....	16 40·373	3·5375	·007	+ ·0013	-19 30 53·87	3·768	·51	- ·232	4	2·62	3099†
2373	8·2†	Lalande 31552.....	17 0·950	3·5532	·007	...	-20 7 6·36	3·738	·51	...	5	2·19	3101
2374	5·4	43 Ophiuchi.....	17 3·916	3·7718	·008	- ·0018	-28 2 45·03	3·734	·54	- ·031	5	3·39	3102
2375	7·4	Lalande 31556.....	17 9·970	3·6274	·007	...	-22 54 46·37	3·725	·52	...	5	3·20	3103
2376	6·6	Lalande 31585.....	17 17 50·976	+3·4477	+·006	...	-15 56 35·37	- 3·666	+ ·50	...	5	1·77	3105
2377†	5·9	Mayer 701.....	18 43·120	3·5863	·007	- ·003	-21 20 53·43	3·592	·52	- ·01	5	1·43	3106
2378	6·3	Lalande 31611.....	18 45·696	3·5085	·006	...	-18 21 10·92	3·587	·50	...	5	2·19	3107
2379	7·4	Lacaille 7283.....	19 49·672	3·7576	·008	...	-27 30 31·99	3·495	·54	...	5	1·98	3111
2380	4·1	44 Ophiuchi.....	20 15·729	3·6607	·007	- ·0010	-24 5 0·12	3·459	·53	- ·137	16	2·41	3112*
2381	6·3	Lacaille 7294.....	17 20 42·904	+3·7105	+·008	...	-25 51 18·45	- 3·418	+ ·54	...	5	1·00	3113
2382	4·3	45 Ophiuchi.....	20 58·061	3·8259	·008	- ·0004	-29 46 35·94	3·398	·55	- ·160	5	2·38	3114*
2383	7·6	C. G. A. 23651.....	22 6·865	3·8023	·008	...	-28 58 27·80	3·299	·55	...	4	1·84	3115
2384	8·5†	Lalande 31733.....	22 18·252	3·5752	·006	...	-20 52 49·88	3·283	·52	...	5	2·62	3116
2385†	9·0†	O. A. 16823.....	22 39·356	3·6185	·007	...	-22 29 52·51	3·253	·52	...	5	1·39	3117
2386	8·6†	B. D. - 16° 45'26".....	17 23 31·752	+3·4634	+·006	...	-16 30 34·25	- 3·176	+ ·50	...	5	3·20	3119
2387	8·8	C. G. A. 23701.....	23 49·606	3·5369	·006	...	-19 23 33·96	3·150	·51	...	5	0·79	3120
2388	4·8	51 Ophiuchi.....	25 18·806	3·6573	·006	- ·0020	-23 53 7·23	3·022	·53	- ·027	12	2·77	3121†
2389	6·0	Lacaille 7334.....	25 31·748	3·7223	·007	...	-26 11 35·22	3·004	·54	...	5	1·58	3122
2390	9·0†	C. G. A. 23749.....	25 38·482	3·7762	·007	...	-28 2 32·84	2·994	·55	...	5	2·40	3123
2391	7·0	Lacaille 7341.....	17 26 40·724	+3·8228	+·007	...	-29 34 40·32	- 2·904	+ ·55	...	5	1·82	3125
2392	6·9	Mayer 707.....	27 9·948	3·4874	·005	·000	-17 25 25·90	2·862	·50	+ ·03	5	1·96	3126
2393	8·7†	Lalande 31911.....	27 28·194	3·5724	·006	...	-20 42 21·67	2·836	·52	...	5	1·62	3127
2394	6·4	52 Ophiuchi.....	29 17·508	3·6068	·006	- ·0028	-21 58 35·16	2·677	·52	- ·042	5	1·00	3129
2395	8·1†	Piazzi XVII. 142.....	29 26·396	3·6776	·006	...	-24 33 34·08	2·666	·53	...	5	1·02	3130
2396	7·3	Piazzi XVII. 152.....	17 31 9·354	+3·5270	+·005	...	-18 55 39·35	- 2·517	+ ·51	...	5	1·39	3133
2397	8·4†	Lalaude 32044.....	31 33·354	3·5715	·005	...	-20 37 38·11	2·482	·52	...	5	1·02	3134
2398†	8·5*	Lalande 32046.....	31 42·196	3·6442	·006	...	-23 19 38·08	2·469	·53	...	5	3·40	3135
2399	3·6	55 Serpentiis.....	31 51·595	3·4361	·005	- ·0038	-15 20 8·25	2·455	·50	- ·060	13	2·25	3136*
2400	5·9	Mayer 709.....	31 51·898	3·4404	·005	- ·003	-15 30 35·52	2·455	·50	+ ·03	5	3·61	3137

2377. 5·9, 11·7 4"0 152° 1898·3.
 2385. 9·0, 10·0 4'9 340 1900·7.
 2398. 8·5, 9·7 3'3 112 1888·6.

2372. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Led ger 1900-4.
2401	8.8†	Lalande 32065.....	^{h m s} 17 32 12.973	^s +3.5529	^s +0.005	...	-19° 54' 50.00"	-2.424	+ .52	...	3	2.94	3138
2402	7.4	Lacaille 7378.....	32 41.986	3.7884	.006	...	-28 21 7.32	2.382	.55	...	5	3.63	3140
2403	6.7	Bradley 2219.....	32 44.268	3.6045	.005	- .0042	-21 51 12.93	2.379	.52	- .035	5	3.63	3141
2404	8.0†	Lalande 32076.....	32 51.176	3.7449	.006	...	-26 52 38.07	2.369	.54	...	5	1.39	3143
2405	6.8	Lacaille 7379.....	32 57.824	3.8223	.006	...	-29 28 21.92	2.359	.55	...	5	3.40	3145
2406	8.4†	Lalande 32105.....	^{h m s} 17 33 16.200	+3.4880	+0.005	...	-17 23 18.60	-2.333	+ .51	...	5	1.61	3146
2407	8.9†	C. Z. XVII. 2238 ...	34 23.718	3.7077	.005	...	-25 34 9.67	2.235	.54	...	5	1.59	3147
2408	8.2†	Piazzi XVII. 173....	34 43.780	3.6576	.005	...	-23 46 56.06	2.206	.53	...	5	0.98	3148
2409	8.7†	O. A. 17070.....	35 23.572	3.5403	.005	...	-19 24 13.36	2.148	.51	...	5	2.02	3149
2410	8.0†	Lalande 32195.....	35 50.544	3.7434	.005	...	-26 47 37.83	2.108	.54	...	5	1.98	3150
2411	8.9†	O. A. 17100.....	^{h m s} 17 36 38.447	+3.6181	+0.005	...	-22 19 7.21	-2.039	+ .53	...	3	0.61	3151
2412	7.5	Lacaille 7411.....	37 5.294	3.8440	.006	...	-30 7 43.67	2.002	.56	...	5	2.23	3154
2413	4.8	58 Ophiuchi.....	37 26.188	3.5998	.005	- .0071	-21 38 4.64	1.971	.52	- .043	12	2.95	3155
2414	7.5	Lalande 32301.....	38 18.902	3.4969	.004	...	-17 41 51.88	1.894	.51	...	5	1.38	3156
2415	3.0	60 Ophiuchi.....β	38 31.939	2.9651	.003	- .0026	+ 4 36 32.58	1.875	.43	+ .158	19 : 18	2.19 : 2.28	3157*
2416	7.3	Lalande 32310.....	^{h m s} 17 38 32.024	+3.4745	+0.004	...	-16 49 6.32	-1.875	+ .51	...	5	3.00	3158
2417	9.1†	C. Z. XVII. 2536 ...	38 45.590	3.6826	.005	...	-24 38 22.67	1.855	.54	...	5	3.42	3159
2418	9.0†	C. G. A. 24069.....	39 1.148	3.6330	.004	...	-22 50 43.10	1.833	.53	...	5	3.24	3161
2419	8.2†	O. A. 17174.....	39 43.928	3.5611	.004	...	-20 9 43.10	1.770	.52	...	5	2.19	3164
2420	8.8†	C. G. A. 24110.....	40 31.397	3.7136	.004	...	-25 42 53.47	1.702	.54	...	6	1.10	3165
2421*	var.	3 Sagittarii.....(X)	^{h m s} 17 41 15.914	+3.7745	+0.005	- .0024	-27 47 33.86	-1.637	+ .55	- .018	12	2.80	3167†
2422	7.5	Piazzi XVII. 221....	41 36.088	3.5069	.004	...	-18 4 10.17	1.608	.51	...	5	1.78	3168
2423	6.6	Lacaille 7453.....	42 50.654	3.8592	.005	...	-30 33 44.91	1.499	.56	...	5	1.84	3172
2424	8.5†	C. Z. XVII. 2809 ...	43 5.790	3.8197	.004	...	-29 16 51.90	1.477	.56	...	5	2.03	3174
2425	7.6	Lalande 32492.....	43 39.694	3.5568	.004	...	-19 58 25.48	1.428	.52	...	5	1.98	3175
2426	7.1	Lacaille 7460.....	^{h m s} 17 43 50.482	+3.6706	+0.004	...	-24 10 27.55	-1.412	+ .53	...	5	3.23	3176
2427	8.5†	Lalande 32486.....	43 50.664	3.7450	.004	...	-26 46 44.48	1.412	.55	...	5	3.60	3177
2428	9.0†	C. Z. XVII. 2867 ...	44 1.060	3.7525	.004	...	-27 1 56.69	1.397	.55	...	3	1.97	3178
2429	6.8	Lacaille 7461.....	44 5.750	3.7525	.004	...	-27 1 46.23	1.390	.55	...	3	2.57	3180
2430	9.3†	O. A. 17263.....	44 38.054	3.6083	.004	...	-21 54 2.66	1.343	.53	...	5	3.23	3181
2431	7.1	Mayer 717.....	^{h m s} 17 45 3.574	+3.6353	+0.004	.000	-22 53 23.96	-1.305	+ .53	- .08	5	1.98	3183
2432	8.7†	C. Z. XVII. 2972 ...	45 32.552	3.7994	.004	...	-28 35 41.28	1.263	.55	...	5	3.61	3184
2433	8.0†	Lalande 32559.....	45 43.156	3.7156	.004	...	-25 44 43.93	1.249	.54	...	5	2.64	3186
2434	8.2†	Piazzi XVII. 251....	45 48.673	3.5511	.003	- .0027	-19 44 55.78	1.240	.52	- .094	3	1.91	3187†
2435	8.5*	C. Z. XVII. 2990....	45 49.587	3.7480	.004	...	-26 52 4.64	1.238	.55	...	3	2.98	3188
2436	8.6†	O. A. 17287.....	^{h m s} 17 45 50.770	+3.5852	+0.003	...	-21 1 53.79	-1.237	+ .52	...	5	3.64	3189
2437	7.9	Lalande 32585.....	46 13.607	3.5592	.003	...	-20 3 8.32	1.203	.52	...	3	2.96	3190
2438	7.3	Mayer 719.....	46 25.792	3.5341	.003	- .001	-19 5 43.16	1.186	.52	- .02	5	3.64	3191
2439	7.9	Lalande 32605.....	46 31.660	3.4787	.003	...	-16 56 33.39	1.177	.51	...	5	3.20	3192
2440	6.8	Lacaille 7480.....	47 17.846	3.7599	.004	...	-27 15 34.13	1.110	.55	...	5	3.40	3193

2421. L, 4.4 to 5.4: P, 7^d.2434. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2441	7.3	Piazzi XVII. 264....	h m s 17 47 51.357	+3.5544	+0.003	...	-19° 51' 53.59	-1.062	+0.52	...	3	2.21	3194
2442	8.4†	Lalande 32675.....	48 9.678	3.4903	.003	...	-17 23 26.17	1.035	.51	...	5	3.03	3195
2443	6.1	63 Ophiuchi	48 44.690	3.6910	.003	-0.0022	-24 52 1.78	0.984	.54	-0.02	5	2.62	3196
2444	6.3	Mayer 722.....	50 2.024	3.5264	.003	-0.0007	-18 47 4.36	0.871	.51	-0.003	5	2.61	3198†
2445	7.8†	Lalande 32729.....	50 8.037	3.6237	.003	...	-22 26 32.58	0.863	.53	...	3	1.57	3200
2446	7.3	Lacaille 7506.....	17 50 9.730	+3.7455	+0.003	...	-26 45 17.39	-0.860	+0.55	...	5	3.60	3201
2447	6.6	Mayer 723.....	50 20.124	3.6101	.003	-0.003	-21 56 19.93	0.845	.53	-0.08	5	3.03	3202
2448	5.7	Lacaille 7508.....	50 23.006	3.7837	.003	...	-28 2 57.48	0.841	.55	...	5	3.63	3203
2449	8.0†	Lalande 32742....	50 24.452	3.6494	.003	...	-23 22 26.13	0.838	.53	...	5	3.26	3204
2450	9.0†	B. D. - 20° 4922...	51 17.348	3.5632	.003	...	-20 11 2.18	0.762	.52	...	5	3.19	3206
2451	9.4†	O. A. 17410.....	17 51 51.423	+3.6270	+0.003	...	-22 33 23.98	-0.712	+0.53	...	3	1.90	3207
2452	5.8	Lacaille 7519.....	52 18.316	3.8050	.003	...	-28 44 52.87	0.673	.55	...	5	2.67	3208
2453	5.2	Lacaille 7521 <i>pr</i>	52 39.973	3.8510	.003	...	-30 14 33.93	0.641	.56	...	3	1.61	3209
2454	6.9	Lalande 32847.....	52 54.497	3.6258	.003	...	-22 30 27.32	0.621	.53	...	3	2.58	3210
2455	7.1	Lalande 32865.	53 23.643	3.6245	.003	...	-22 27 29.23	0.577	.53	...	3	1.62	3213
2456	4.8	4 Sagittarii	17 53 41.211	+3.6617	+0.003	-0.0013	-23 48 25.01	-0.552	+0.53	-0.054	12	3.57	3214
2457	8.2†	C. G. A. 24442.....	53 50.020	3.6975	.003	...	-25 4 44.13	0.539	.54	...	5	3.65	3215
2458	8.0	C. Z. XVII. 3525...	53 50.984	3.8401	.003	...	-29 53 6.86	0.538	.56	...	5	3.65	3216
2459	7.2	Lalande 32886.....	53 57.913	3.6268	.003	...	-22 32 27.56	0.528	.53	...	3	2.61	3217
2460	6.4	Mayer 727.....	54 3.132	3.5674	.003	-0.001	-20 19 54.28	0.520	.52	.00	5	3.62	3218
2461	7.8†	Lalande 32915.....	17 54 30.723	+3.5382	+0.002	...	-19 13 29.29	-0.480	+0.52	...	3	2.59	3220
2462	9.1†	B. D. - 18° 4753...	54 58.145	3.5314	.002	...	-18 57 45.46	0.440	.52	...	2	2.09	3221
2463	6.5	6 Sagittarii.....	55 34.470	3.4847	.002	-0.0017	-17 9 10.71	0.388	.51	+0.012	5	2.02	3222
2464	5.7	Mayer 728.....	55 50.874	3.6333	.002	-0.002	-22 46 38.79	0.363	.53	+0.01	5	3.23	3223
2465	7.3	Piazzi XVII. 317....	55 58.582	3.5351	.002	...	-19 6 12.86	0.351	.52	...	5	2.99	3224
2466	6.7	Lalande 32974.....	17 56 36.300	+3.7776	+0.002	...	-27 49 34.07	-0.297	+0.55	...	5	3.44	3228
2467	8.4†	B. D. - 21° 4826...	56 39.060	3.5989	.002	...	-21 30 28.18	0.293	.53	...	5	3.64	3229
2468	6.9	Piazzi XVII. 323....	56 39.324	3.5782	.002	...	-20 44 12.15	0.293	.52	...	5	3.46	3230
2469	5.5	7 Sagittarii	56 43.394	3.6752	.002	-0.0029	-24 16 53.54	0.287	.54	-0.004	5	3.65	3231
2470	7.8†	Lalande 33005.....	56 52.698	3.4942	.002	...	-17 31 18.82	0.273	.51	...	5	3.62	3232
2471	7.1	Lalande 33002.....	17 57 10.268	+3.7333	+0.002	...	-26 19 12.38	-0.248	+0.54	...	5	1.83	3233
2472	6.0	9 Sagittarii.....	57 44.538	3.6774	.002	-0.0031	-24 21 45.34	0.197	.54	-0.005	5	2.82	3234
2473	8.0†	C. G. A. 24584.....	58 49.357	3.6866	.002	...	-24 41 6.99	0.104	.54	...	3	1.94	3235
2474	6.8	Piazzi XVII. 342....	59 2.502	3.6786	.002	...	-24 24 12.84	0.085	.54	...	5	2.64	3236
2475	3.2	10 Sagittarii	59 23.005	3.8572	.002	-0.0056	-30 25 31.51	0.054	.56	-0.198	31 : 32	2.90 : 2.92	3237*
2476	7.8	O. A. 17633.....	18 0 49.372	+3.5323	+0.002	...	-18 59 35.61	+0.072	+0.52	...	5	3.22	3240
2477	8.3†	Lalande 33147.....	0 51.120	3.5991	.002	...	-21 30 53.03	0.074	.53	...	3	1.94	3241
2478	6.2	Mayer 734.....	1 11.436	3.5975	.002	-0.002	-21 27 14.94	0.104	.53	-0.00	5	2.24	3243
2479	8.2†	C. G. A. 24648.....	1 40.966	3.6429	.001	...	-23 6 58.51	0.147	.53	...	5	3.63	3245
2480	4.7	Mayer 735.....	1 44.966	3.7970	.001	+0.001	-28 28 5.65	0.153	.55	-0.06	5	3.44	3246

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2481	5.7	C. G. A. 24660	^h 18 ^m 2 ^s 0.386	+3.4852	+0.001	...	-17° 10' 3"79	+0.175	+0.51	...	5	1.60	3247
2482	7.4	Lalande 33195	2 36.242	3.7769	.001	...	-27 47 52.65	0.228	.55	...	5	3.23	3249
2483	7.8†	O. A. 17691	2 45.260	3.5614	.001	...	-20 6 3.66	0.241	.52	...	5	1.82	3250
2484	7.5	Piazzi XVII. 365	3 2.348	3.7276	.001	-0.0067	-26 7 21.42	0.265	.54	-0.296	5	2.24	3251†
2485	8.7†	C. G. A. 24705	3 32.572	3.6878	.001	...	-24 43 51.39	0.311	.54	...	5	3.04	3254
2486	8.0†	O. A. 17753	18 4 42.092	+3.6192	+0.001	...	-22 15 30.07	+0.411	+0.53	...	5	1.40	3257
2487	8.1†	Lalande 33319	5 10.520	3.5210	.001	...	-18 34 0.18	0.454	.51	...	5 : 4	2.22 : 2.14	3258
2488†	6.3	Lalande 33327	5 19.148	3.5549	.001	...	-19 51 41.65	0.465	.52	...	5	1.83	3259
2489	6.4	Lacaille 7609	5 36.856	3.8105	.001	...	-28 55 21.68	0.491	.55	...	5	3.04	3261
2490	5.3	Bradley 2276	5 37.170	3.6594	.001	+0.0011	-23 43 17.55	0.491	.53	-0.05	5	3.04	3262
2491	7.2	Lalande 33350	18 5 59.916	+3.5703	+0.001	...	-20 26 42.69	+0.525	+0.52	...	5	2.62	3263
2492	4.0	13 Sagittarii	7 46.972	3.5873	.001	-0.0004	-21 5 6.20	0.681	.52	-0.002	25 : 28	2.35 : 2.42	3265*
2493	8.0*	Lalande 33427	7 53.854	3.7684	.000	...	-27 31 44.51	0.691	.55	...	5	2.43	3266
2494	5.6	14 Sagittarii	8 15.434	3.6049	.001	-0.0032	-21 44 23.73	0.722	.53	-0.021	5	3.04	3267
2495	6.8	Lacaille 7634	8 41.120	3.8388	.000	...	-29 51 5.09	0.760	.56	...	3	0.95	3268
2496	8.7†	C. G. A. 24844	18 8 59.628	+3.7185	.000	...	-25 49 6.85	+0.787	+0.55	...	5	3.62	3269
2497	5.3	15 Sagittarii	9 14.952	3.5785	+0.001	-0.0018	-20 45 28.83	0.809	.52	+0.009	5	3.21	3271
2498	5.9	16 Sagittarii	9 15.902	3.5694	.001	-0.0018	-20 25 3.81	0.810	.52	-0.014	5	3.03	3272
2499	6.1	Lalande 33540	9 38.260	3.5241	.001	...	-18 41 31.65	0.842	.51	...	5	1.81	3273
2500	9.0†	B. D. - 20° 5060	9 39.365	3.5689	.000	...	-20 23 54.32	0.844	.52	...	2	1.68	3274
2501	7.7*	Lalande 33516	18 10 27.580	+3.6649	.000	...	-23 56 2.33	+0.915	+0.53	...	5	1.04	3275
2502	9.5†	B. D. - 19° 4943	11 4.960	3.5473	.000	...	-19 35 38.75	0.969	.52	...	2	3.13	3276
2503	5.9	C. G. A. 24909	11 22.492	3.4908	+0.001	...	-17 24 29.60	0.994	.51	...	5	2.44	3277
2504	4.7	Lacaille 7659	11 47.584	3.7547	.000	...	-27 4 43.63	1.032	.55	...	5	2.22	3278
2505	8.4†	Lalande 33591	11 54.620	3.6218	.000	...	-22 22 45.10	1.042	.53	...	5	1.45	3279
2506	2.9	19 Sagittarii	18 14 35.528	+3.8384	-0.001	+0.0023	-29 52 14.20	+1.276	+0.56	-0.034	20 : 23	1.83 : 1.98	3286*
2507	6.7	Lacaille 7676	14 59.716	3.7265	.001	...	-26 7 45.70	1.311	.54	...	5	2.22	3288
2508	8.7†	C. Z. XVIII. 885	15 19.387	3.7075	.001	...	-25 28 18.35	1.339	.54	...	3	2.64	3289
2509	6.4	Lacaille 7681	15 22.010	3.6929	.001	...	-24 57 35.89	1.343	.54	...	5	3.45	3290
2510*	var.	Sagittarii	(Y) 15 30.052	3.5289	.000	...	-18 54 16.47	1.355	.51	...	5	3.25	3291
2511	6.1	Lacaille 7682	18 15 40.456	+3.7955	-0.001	...	-28 28 32.30	+1.369	+0.55	...	5	3.63	3292
2512	7.1	Lacaille 7686	15 59.212	3.6373	.001	...	-22 58 3.59	1.397	.53	...	5	2.27	3294
2513	8.0†	Lalande 33817	17 22.283	3.5759	.001	...	-20 42 10.73	1.518	.52	...	6	1.28	3295
2514	8.2†	O. A. 18142	17 34.550	3.6030	.001	...	-21 42 50.52	1.536	.52	...	5	2.67	3296
2515	9.0†	C. Z. XVIII. 1016	17 35.553	3.7343	.001	...	-26 25 12.51	1.538	.54	...	3	0.63	3297
2516	8.0†	Lalande 33830	18 17 56.397	+3.7365	-0.001	...	-26 29 55.06	+1.567	+0.54	...	3	1.32	3299
2517	8.3	C. Z. XVIII. 1105	18 56.960	3.6783	.001	...	-24 28 4.13	1.656	.53	...	5	2.05	3300
2518	10.0†	Cor. D. - 25° 13101	19 14.493	3.6999	.001	...	-25 13 52.47	1.682	.54	...	3	2.63	3302
2519	8.5*	C. Z. XVIII. 1127	19 28.396	3.7653	.001	...	-27 29 44.39	1.701	.55	...	5	1.40	3306
2520	9.5†	C.P.D. - 25° 6515	20 37.907	3.7076	.001	...	-25 30 49.71	1.802	.54	...	3	3.63	3307

2488. 7.0, 7.1 1"0 224° 1898.5.
2510. L., 5.4 to 6.2 : P., 5.7 +.

2484. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2521	9.5†	O. A. 18220.....	^h 18 ^m 20 ^s 44.023	+3.7386	-.002	...	-26° 35' 30.46	+ 1.810	+ .54	...	3	2.98	3308
2522	5.8	Lacaille 7717.....	21 25.825	3.8367	.002	...	-29 52 37.76	1.872	.56	...	6	1.12	3310
2523	2.9	22 Sagittarii.....λ	21 47.960	3.7063	.001	- .0034	-25 28 37.40	1.904	.54	- .199	16 : 17	1.97 : 2.07	3311*
2524	6.3	Lacaille 7724.....	21 51.744	3.7448	.002	...	-26 49 1.04	1.910	.54	...	5	2.24	3312
2525	7.1	Lacaille 7727.....	22 3.164	3.6386	.001	...	-23 3 39.43	1.926	.53	...	5	3.64	3313
2526	6.0	Lalande 34035.....	18 22 6.350	+3.5009	-.001	...	-17 51 39.50	+ 1.930	+ .51	...	5	3.62	3314
2527	7.4	Lalande 34117.....	23 52.920	3.5830	.001	...	-21 1 0.47	2.085	.52	...	6	0.95	3316
2528	7.5	Lacaille 7745.....	24 10.592	3.8047	.002	...	-28 51 40.48	2.111	.55	...	5	2.67	3317
2529	5.7	Mayer 748.....	24 19.158	3.5245	.001	+ .002	-18 47 32.82	2.123	.51	- .08	5	2.03	3318
2530	7.0	23 Sagittarii.....	24 24.673	3.6451	.002	...	-23 19 1.47	2.132	.53	...	3	1.00	3319
2531	8.6†	Lalande 34143.....	18 24 34.500	+3.6043	-.002	...	-21 49 10.17	+ 2.146	+ .52	...	5	3.61	3320
2532	7.9	Lalande 34150.....	24 36.924	3.5652	.001	...	-20 21 13.76	2.149	.52	...	5	3.63	3321
2533	7.7*	Lalande 34164.....	25 15.783	3.6467	.002	...	-23 23 3.32	2.206	.53	...	3	1.99	3322
2534*	8.2†	Piazzi XVIII. 91....	25 32.103	3.5123	.001	...	-18 19 53.36	2.229	.51	...	3	0.64	3323
2535	5.0	Mayer 750.....	25 34.717	3.5160	.001	- .001	-18 28 16.59	2.233	.51	- .02	12	2.38	3324
2536	8.5†	Lalande 34260.....	18 27 34.624	+3.7058	-.002	...	-25 31 20.97	+ 2.407	+ .54	...	5	1.65	3325
2537	5.7	24 Sagittarii.....	27 46.952	3.6659	.002	- .0022	-24 6 24.88	2.424	.53	+ .004	5	1.03	3326
2538	7.2	Lacaille 7767.....	27 49.608	3.8681	.003	...	-30 57 28.57	2.429	.56	...	5	2.66	3327
2539	5.8	Bradley 2327.....	27 56.223	3.4260	.001	- .0014	-14 55 40.61	2.438	.49	.00	3	0.66	3328
2540	8.0†	C. G. A. 25367.....	29 17.802	3.7600	.003	...	-27 25 13.08	2.556	.54	...	5	2.85	3330
2541	8.4†	O. A. 18413.....	18 29 19.220	+3.6124	-.002	...	-22 10 8.66	+ 2.557	+ .52	...	5	3.44	3331
2542	6.6	Piazzi XVIII. 110....	29 23.264	3.5789	.002	...	-20 55 7.61	2.563	.52	...	5	2.22	3332
2543	7.2	Mayer 757.....	29 29.686	3.5377	.002	+ .001	-19 20 48.63	2.573	.51	- .01	5	3.43	3333
2544	6.7	Lacaille 7778.....	29 36.610	3.8306	.003	...	-29 46 42.02	2.583	.55	...	5	2.06	3334
2545	4.1	Scuti 3 H.....	29 45.932	3.2660	.000	- .0014	- 8 18 51.19	2.596	.47	- .315	14 : 13	1.81 : 1.89	3335*
2546	8.1†	Lalande 34401.....	18 30 40.320	+3.5250	-.002	...	-18 52 6.96	+ 2.674	+ .51	...	3	1.34	3336
2547	6.8	Lacaille 7787.....	30 43.902	3.7942	.003	...	-28 35 29.47	2.680	.55	...	5	3.05	3337
2548	7.4	Lacaille 7791.....	31 0.566	3.7110	.003	+ .010	-25 44 46.31	2.705	.53	- .28	5	1.20	3338†
2549	5.8	Bradley 2332.....	31 55.180	3.5931	.002	- .0021	-21 28 49.67	2.783	.52	- .08	5	1.09	3339
2550	6.8	Mayer 761.....	32 3.070	3.4849	.002	- .002	-17 18 57.00	2.794	.50	+ .01	5	2.65	3340
2551	5.8	Bradley 2333.....	18 32 25.792	+3.6501	-.003	- .0028	-23 35 25.00	+ 2.827	+ .53	- .019	5	2.28	3342†
2552	5.9	Bradley 2335.....	32 55.630	3.5836	.002	- .0066	-21 8 4.80	2.871	.52	- .15	5	0.81	3344†
2553	6.8	C. G. A. 25481.....	33 57.718	3.5576	.002	...	-20 9 34.93	2.960	.51	...	5	1.05	3345
2554	9.5†	C.P.D. - 24° 6482..	34 27.905	3.6670	.003	...	-24 13 46.32	3.004	.53	...	2	2.66	3347
2555	9.5†	O. A. 18523.....	34 32.370	3.6659	.003	...	-24 11 33.05	3.010	.53	...	2	1.20	3348
2556	8.4†	C. G. A. 25505.....	18 34 52.396	+3.7405	-.004	...	-26 49.59.08	+ 3.038	+ .54	...	5	1.66	3349
2557	7.7*	C.P.D. - 28° 6638..	35 6.692	3.7761	.004	...	-28 3 1.03	3.060	.54	...	5	3.04	3351
2558	8.0†	Lalande 34586.....	35 42.817	3.6725	.003	...	-24 26 52.35	3.111	.53	...	3	1.32	3353
2559	6.1	26 Sagittarii.....	35 45.690	3.6580	.003	+ .0006	-23 55 35.74	3.116	.53	- .015	12	2.30	3354
2560	8.8†	O. A. 18546.....	35 46.008	3.5033	.002	...	-18 4 52.60	3.116	.50	...	5	3.05	3355

2534. V Sagittarii. Doubtful if variable.

2548. Proper Motion from *Cincinnati, Pub.*, 12.

No.	Magn.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4
2561	9.5†	B. D. — 21° 5108....	^h 18 ^m 36 ^s 34.397	+3.5858	— .003	...	— 21° 15' 41".58	+ 3".185	+ ".51	...	3	3.63	3357
2562	7.7*	Lalande 34627.....	36 51.610	3.6614	.003	...	— 24 3 52.48	3.211	.53	...	3	1.31	3358
2563	6.6	C. G. A. 25557	37 1.602	3.5362	.003	...	— 19 22 47.81	3.225	.51	...	5	2.28	3359
2564	7.6	O. A. 18582.....	37 18.424	3.6188	.003	...	— 22 30 29.15	3.249	.52	...	5	2.85	3360
2565	7.4	Lalande 34658.....	37 34.868	3.5789	.003	...	— 21 1 1.24	3.273	.51	...	5	0.64	3361
2566	5.7	Lacaille 7842.....	^h 18 ^m 38 40.732	+3.6898	— .004	...	— 25 6 40.48	+ 3.368	+ .53	...	5	1.46	3364
2567	8.2†	Lalande 34718.....	39 20.430	3.5712	.003	...	— 20 44 58.66	3.424	.51	...	3	2.02	3366
2568	3.3	27 Sagittarii.....	39 24.553	3.7460	.004	+ .0034	— 27 5 36.85	3.430	.54	— .006	20	2.41	3367*
2569	7.1	Lalande 34749.....	39 48.032	3.4911	.003	...	— 17 38 51.73	3.464	.50	...	5	2.82	3369
2570	5.6	28 Sagittarii.....	40 18.782	3.6173	.004	— .0001	— 22 29 48.57	3.508	.52	— .011	5	2.06	3370
2571	6.9	Lacaille 7853	^h 18 ^m 40 25.258	+3.8239	— .005	...	— 29 44 9.44	+ 3.517	+ .55	...	5	2.43	3371
2572	9.1†	O. A. 18652.....	40 58.733	3.7228	.004	...	— 26 19 13.91	3.566	.53	...	3	3.66	3374
2573	9.4†	C. Z. XVIII. 2254...	41 4.253	3.7287	.004	...	— 26 31 38.31	3.573	.53	...	3	1.35	3375
2574	7.2	Lacaille 7863.....	41 18.998	3.7828	.005	...	— 28 23 13.71	3.594	.54	...	5	2.08	3377
2575	9.1†	C. Z. XVIII. 2301...	41 51.546	3.6401	.004	...	— 23 21 56.04	3.642	.52	...	5	3.25	3378
2576	9.3†	O. A. 18673.....	^h 18 ^m 41 58.992	+3.5786	— .003	...	— 21 4 17.94	+ 3.652	+ .51	...	5	3.45	3379
2577	9.0†	C. Z. XVIII. 2330...	42 42.310	3.7173	.005	...	— 26 9 25.64	3.713	.53	...	3	2.98	3381
2578	6.5	Lalande 34884.....	42 53.776	3.5170	.003	...	— 18 42 42.75	3.731	.50	...	5	1.47	3382
2579	8.8†	C. G. A. 25709.....	42 55.390	3.7274	.005	...	— 26 30 50.80	3.732	.53	...	3	2.66	3383
2580	9.0†	C. Z. XVIII. 2370...	43 29.520	3.7046	.005	...	— 25 43 32.56	3.782	.53	...	5	2.08	3385
2581	9.1†	B. D. — 19° 5179...	^h 18 ^m 43 36.915	+3.5273	— .003	...	— 19 7 13.59	+ 3.792	+ .50	...	2	3.63	3386
2582	5.3	29 Sagittarii.....	43 44.092	3.5613	.004	— .0017	— 20 26 18.15	3.802	.51	+ .043	5	2.06	3387
2583	7.2	Lacaille 7886.....	44 23.980	3.7372	.005	...	— 26 53 4.39	3.859	.53	...	5	1.66	3390
2584	6.3	30 Sagittarii.....	44 49.784	3.6094	.004	— .0041	— 22 16 35.79	3.896	.51	— .024	15	2.72	3391*
2585	6.8	B. D. — 17° 5347...	45 31.992	3.4797	.003	...	— 17 16 16.23	3.957	.50	...	5	0.86	3394
2586	8.5†	Lalande 35010.....	^h 18 ^m 45 44.235	+3.6768	— .005	...	— 24 46 18.23	+ 3.974	+ .52	...	5	2.10	3395
2587	9.2†	B. D. — 20° 5297...	46 7.825	3.5678	.004	...	— 20 43 22.82	4.008	.51	...	2	3.64	3397
2588	6.7	31 Sagittarii.....	46 7.930	3.6025	.004	— .0008	— 22 2 19.59	4.008	.51	— .033	3	1.65	3398
2589	6.3	Lacaille 7899.....	46 15.952	3.8130	.006	...	— 29 29 51.76	4.020	.54	...	5	3.05	3399
2590	8.6	B. D. — 20° 5301...	46 20.510	3.5600	.004	...	— 20 25 59.53	4.027	.51	...	2	3.62	3400
2591	8.0†	Lalande 35053.....	^h 18 ^m 46 37.183	+3.6124	— .004	...	— 22 25 20.45	+ 4.050	+ .51	...	3	1.64	3401
2592	8.7†	B. D. — 20° 5308...	46 46.720	3.5579	.004	...	— 20 21 31.98	4.064	.51	...	2	2.17	3402
2593	7.4	Lacaille 7903.....	46 51.344	3.7645	.006	...	— 27 52 39.53	4.070	.54	...	5	3.65	3403
2594	6.9	Lalande 35076.....	47 14.950	3.5165	.004	...	— 18 45 25.87	4.104	.50	...	5	1.07	3404
2595	5.8	33 Sagittarii.....	48 1.564	3.5867	.004	— .0017	— 21 28 56.13	4.171	.51	+ .016	5	1.69	3406
2596	9.0†	B. D. — 19° 5213...	^h 18 ^m 48 4.515	+3.5273	— .004	...	— 19 11 31.64	+ 4.175	+ .50	...	2	3.64	3407
2597*	7.4	Lalande 35103.....	48 6.050	3.6190	.004	...	— 22 41 36.05	4.176	.51	...	3	1.66	3408
2598†	5.0	32 Sagittarii.....	48 7.944	3.6236	.005	— .0028	— 22 52 4.13	4.179	.52	— .019	5	3.05	3409
2599	7.8	C. G. A. 25857.....	48 13.060	3.6219	.005	...	— 22 48 37.10	4.186	.51	...	3	1.97	3411
2600	2.1	34 Sagittarii.....	49 3.891	3.7212	.005	— .0003	— 26 25 15.36	4.259	.53	— .075	13	2.96	3412*

2597. B. D. and Cape 8.5 mag.
2598. 5.0, 10.5 2".3 106° 1898'.5.

No.	Mag.	Name.	Mean R.A. 1900'0.	Precession 1900'0.	Sec. Var 1900'0.	Proper Motion.	Mean Dec. 1900'0.	Precession 1900'0.	Sec. Var. 1900'0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2601	5.1	35 Sagittarii.....	^h 18 ^m 49 ^s 4.398	+3.6212	-0.005	+0.0050	-22° 47' 46.29	+4.259	+0.51	-0.010	5	2.04	3413
2602	5.9	Lacaille 7927.....	49 57.394	3.6342	0.005	...	-23 18 3.35	4.335	.52	...	5	1.27	3415
2603	7.1	O. A. 18847.....	49 58.674	3.4582	0.003	...	-16 28 31.77	4.338	.49	...	5	1.87	3416
2604	7.3	C. G. A. 25906.....	50 35.944	3.6735	0.005	...	-24 44 58.03	4.390	.52	...	5	0.87	3417
2605	5.1	36 Sagittarii.....	51 23.966	3.5669	0.004	-0.0033	-20 47 13.75	4.458	.50	-0.015	5	1.47	3419
2606	8.7†	O. A. 18878.....	18 51 38.980	+3.5798	-0.005	...	-21 16 57.48	+4.480	+0.51	...	3	0.63	3420
2607	7.0	C. G. A. 25925.....	51 43.014	3.5280	0.004	...	-19 17 5.15	4.485	.50	...	5	2.27	3421
2608	3.7	37 Sagittarii.....	51 45.846	3.5785	0.005	+0.0023	-21 14 17.07	4.490	.51	-0.023	5	1.87	3422*
2609	9.2†	B. D. - 20° 5351...	53 14.725	3.5623	0.005	...	-20 38 48.89	4.616	.50	...	2	0.66	3424
2610	6.3	Lalande 35359.....	53 35.696	3.5124	0.004	...	-18 42 6.57	4.646	.50	...	5	0.60	3426
2611	7.7	Lacaille 7948.....	18 53 43.408	+3.7689	-0.007	...	-28 11 13.78	+4.656	+0.53	...	5	0.90	3427
2612	8.5†	C. Z. XVIII. 2837..	54 4.596	3.7151	0.006	...	-26 19 11.25	4.687	.52	...	5	1.71	3429
2613	7.8†	O. A. 18941.....	54 37.028	3.4848	0.004	...	-17 37 20.83	4.732	.49	...	5	2.27	3431
2614	6.3	Mayer 779.....	55 36.088	3.6186	0.005	-0.003	-22 50 10.66	4.816	.51	+0.02	5	0.62	3433
2615	5.8	Mayer 781.....	56 20.434	3.6763	0.006	-0.005	-24 59 4.88	4.878	.52	-0.18	5	1.10	3435
2616	6.1	Lalande 35497.....	18 57 11.130	+3.5281	-0.005	...	-19 23 23.45	+4.950	+0.50	...	5	1.90	3436
2617†	8.4†	Piazzi XVIII. 274...	57 35.440	3.0916	0.001	...	-0 51 9.31	4.984	.44	...	3	1.66	3437
2618	7.8†	O. A. 18994.....	57 38.274	3.5504	0.005	...	-20 16 26.28	4.988	.50	...	5	3.24	3438
2619	9.2†	B. D. - 19° 5280....	57 41.135	3.5328	0.005	...	-19 34 53.48	4.993	.50	...	2	3.16	3439
2620	8.5†	C. G. A. 26075.....	57 42.688	3.6507	0.006	...	-24 4 42.84	4.995	.51	...	5	2.65	3440
2621	3.9	39 Sagittarii.....	18 58 41.468	+3.5917	-0.006	+0.0029	-21 53 16.82	+5.079	+0.50	-0.057	5	3.63	3441
2622	7.4	C. G. A. 26109.....	18 59 0.602	3.7106	0.007	...	-26 17 16.58	5.105	.52	...	5	1.30	3442
2623	6.6	Lalande 35682.....	19 0 41.333	3.2947	0.003	...	-9 47 3.28	5.246	.46	...	3	0.60	3444
2624	3.5	40 Sagittarii.....	19 0 41.819	3.7529	0.007	-0.0046	-27 49 0.47	5.247	.52	-0.254	12	2.83	3445*
2625	6.8	Piazzi XVII. 294....	19 0 57.470	3.6104	0.006	...	-22 39 2.97	5.269	.51	...	3	3.63	3446
2626	5.9	Lalande 35693.....	19 1 7.150	+3.4513	-0.005	...	-16 22 57.17	+5.283	+0.48	...	5	3.04	3447
2627	6.2	Mayer 785.....	1 13.082	3.7807	0.008	-0.003	-28 47 27.35	5.291	.53	-0.02	5	3.65	3448
2628	6.4	C. G. A. 26165.....	1 17.166	3.5134	0.005	...	-18 53 30.19	5.297	.49	...	5	3.66	3449
2629	7.3	Lalande 35694.....	1 31.122	3.4760	0.005	...	-17 23 46.37	5.317	.49	...	5	3.30	3450
2630	7.5	Lacaille 8003.....	1 45.063	3.6966	0.007	...	-25 51 27.02	5.336	.52	...	3	3.37	3451
2631	6.1	Mayer 787.....	19 2 8.002	+3.6677	-0.007	-0.003	-24 48 48.07	+5.369	+0.51	-0.03	5	3.62	3452
2632	5.4	Bradley 2402.....	2 24.186	3.5268	0.005	-0.0018	-19 26 48.90	5.391	.49	+0.01	5	2.62	3453
2633	6.5	Lacaille 8014.....	2 41.948	3.6277	0.007	...	-23 20 50.75	5.416	.51	...	5	3.06	3454
2634	7.7*	Lacaille 8010.....	2 44.377	3.8389	0.009	...	-30 47 2.97	5.419	.54	...	3	3.66	3455
2635	9.0†	O. A. 19141.....	3 30.546	3.6057	0.006	...	-22 32 12.29	5.485	.50	...	5	3.62	3456
2636	9.0†	B. D. - 19° 5324...	19 3 44.310	+3.5181	-0.005	...	-19 7 54.09	+5.503	+0.49	...	3:2	3.68 : 3.69	3457
2637	3.0	41 Sagittarii.....	3 49.036	3.5703	0.006	-0.0005	-21 10 57.60	5.510	.50	-0.036	12	2.42	3458*
2638	6.3	Mayer 789.....	3 54.286	3.5390	0.006	+0.001	-19 57 41.90	5.517	.49	-0.08	5	1.64	3459
2639	8.4†	C. Z. XIX. 142.....	4 54.794	3.7748	0.009	...	-28 41 49.04	5.603	.53	...	5	2.85	3460
2640	6.1	Lacaille 8024.....	4 58.723	3.8031	0.009	...	-29 39 53.83	5.608	.53	...	3	1.31	3461

2617. 8.7, 9.9 1"3 57° 1896'5.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2641	9.1†	B. D. — 21° 5286...	h m s 19 5 23.800	+3.5719	— .006	...	—21 17' 4"21	+ 5.643	+ .50	...	2	1.22	3462
2642	6.4	Mayer 790.....	6 29.563	3.5851	.006	.000	—21 49 26.84	5.735	.50	+ .01	3	0.59	3464
2643	5.9	Mayer 792.....	7 4.146	3.6985	.008	— .004	—26 4 27.92	5.783	.51	— .01	5	0.67	3465
2644	7.0	Lalande 8039.....	7 44.286	3.7249	.008	...	—27 2 35.58	5.839	.52	...	5	1.29	3466
2645	6.9	Lalande 36016.....	8 9.546	3.5945	.007	...	—22 13 49.66	5.875	.50	...	5	2.49	3467
2646	7.4	Mayer 795.....	19 9 3.268	+3.4751	— .005	— .001	—17 31 6.79	+ 5.949	+ .48	+ .03	5	2.25	3469
2647	8.1†	Lalande 36097.....	9 22.263	3.3178	.004	...	—10 53 34.85	5.975	.46	...	3	1.98	3470
2648	4.8	42 Sagittarii.....ψ	9 24.562	3.6789	.008	+ .0025	—25 25 44.67	5.979	.51	— .035	12	1.58	3471*
2649	6.1	Mayer 794.....	9 27.704	3.6496	.008	+ .007	—24 20 59.53	5.984	.51	— .13	5	3.64	3472
2650	7.6	Piazzi XIX. 25.....	9 32.914	3.5355	.006	...	—19 57 34.49	5.991	.49	...	5	3.47	3473
2651	7.5	Lalande 36102.....	19 9 41.836	+3.4445	— .005	...	—16 16 18.77	+ 6.003	+ .48	...	5	1.48	3474
2652	7.6	Lalande 36117.....	10 31.698	3.7738	.009	...	—28 50 34.36	6.073	.52	...	5	2.86	3478
2653	9.5†	B. D. — 21° 5321...	10 51.105	3.5597	.007	...	—20 57 8.86	6.099	.49	...	2	3.71	3479
2654	5.1	43 Sagittarii.....δ	11 47.052	3.5134	.006	— .0015	—19 7 51.68	6.177	.48	— .017	13	2.36	3482*
2655	8.6†	C. Z. XIX. 464.....	12 16.324	3.7475	.009	...	—27 59 21.38	6.217	.52	...	5	3.45	3483
2656	6.8	Mayer 797.....	19 12 20.067	+3.5108	— .006	— .001	—19 2 34.75	+ 6.223	+ .48	— .01	3	1.68	3484
2657	7.2	Piazzi XIX. 43.....	12 39.307	3.5065	.006	...	—18 52 38.55	6.249	.48	...	3	2.35	3485
2658	9.4†	B. D. — 21° 5336...	12 50.660	3.5747	.007	...	—21 35 28.44	6.265	.49	...	2	2.19	3486
2659	8.2†	C. Z. XIX. 510.....	13 14.724	3.6303	.008	...	—23 44 22.22	6.299	.50	...	5	3.65	3488
2660	6.2	Mayer 798.....	13 17.996	3.4292	.005	— .009	—15 42 38.49	6.303	.47	— .26	5	3.08	3489
2661	8.5†	O. A. 19377.....	19 13 20.352	+3.5612	— .007	...	—21 4 26.27	+ 6.306	+ .49	...	5	2.28	3490
2662	6.7	Bradley 2429.....	13 24.430	3.0670	.002	+ .0013	+ 0 14 28.81	6.311	.42	+ .032	3	0.64	3493
2663	7.0	Lacaille 8080.....	14 36.698	3.6465	.008	— .0033	—24 23 30.54	6.412	.50	— .117	5	1.27	3495†
2664	5.5	Mayer 799.....	14 38.604	3.5990	.008	— .004	—22 35 18.52	6.415	.49	+ .05	5	1.10	3496
2665	7.4	Lacaille 8085.....	15 34.778	3.6987	.009	...	—26 21 10.09	6.492	.51	...	5	1.28	3497
2666	6.4	Piazzi XIX. 67.....	19 15 45.540	+3.5180	— .007	...	—19 25 17.76	+ 6.506	+ .48	...	5	2.69	3498
2667	4.0	44 Sagittarii.....ρ	15 52.402	3.4838	.006	— .0033	—18 2 7.61	6.516	.48	+ .026	5	3.63	3499
2668	4.4	46 Sagittarii.....ν	16 0.056	3.4380	.006	— .0016	—16 8 33.66	6.527	.47	+ .004	5	2.31	3500
2669	6.0	45 Sagittarii.....	16 0.922	3.4950	.007	+ .0055	—18 29 38.26	6.528	.48	— .065	5	3.65	3501
2670	6.9	O. A. 19444.....	16 45.292	3.5525	.007	.0000	—20 49 47.80	6.589	.49	— .095	5	1.05	3502†
2671	9.6†	C. P. D. — 23° 7453	19 16 47.103	+3.6254	— .008	...	—23 39 46.21	+ 6.591	+ .50	...	3	1.34	3503
2672	8.6†	C. G. A. 26565.....	18 2.170	3.6137	.008	...	—23 15 17.47	6.695	.49	...	3	0.68	3506
2673	5.9	Lacaille 8097.....	18 16.152	3.7435	.010	...	—28 3 33.29	6.714	.51	...	5	1.71	3508
2674	8.8†	C. Z. XIX. 744.....	18 32.307	3.6162	.008	...	—23 22 3.91	6.736	.49	...	3	2.03	3509
2675	8.0†	C. G. A. 26590.....	19 5.073	3.6123	.008	...	—23 14 10.81	6.781	.49	...	3	0.61	3510
2676	4.9	47 Sagittarii.....χ	19 19 11.444	+3.6507	— .009	+ .0023	—24 42 9.42	+ 6.789	+ .50	— .049	5	2.27	3511
2677	5.5	49 Sagittarii.....	19 26.510	3.6361	.009	— .0034	—24 9 29.58	6.810	.50	— .005	5	3.63	3512
2678	5.5	50 Sagittarii.....	20 21.336	3.5788	.008	— .0002	—21 58 28.63	6.885	.49	— .001	5	3.45	3513
2679	3.4	30 Aquilæ.....δ	20 27.438	3.0084	.002	+ .0168	+ 2 54 55.20	6.894	.41	+ .081	12	2.85	3514*
2680	8.9†	Lalande 36602.....	20 37.054	3.6783	.010	...	—25 46 53.59	6.907	.50	...	5	3.64	3515

2663, 2670. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R. A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2681	8.0†	O. A. 19544	h m s 19 21 0.950	s +3.4552	s -0.006	s ...	-16° 58' 56.94	+ 6.940	+ .47	...	5	2.27	3516
2682	8.6†	Lalande 36678	22 11.494	3.5457	.008	...	-20 43 4.07	7.037	.48	...	5	3.45	3517
2683	8.3†	B. D. - 19° 5462... ..	22 11.920	3.5165	.007	...	-19 32 41.33	7.037	.48	...	5	2.65	3518
2684	6.9	Lalande 36688	22 16.234	3.4925	.007	...	-18 33 40.59	7.042	.47	...	5	2.30	3519
2685	5.7	Mayer 808	23 41.092	3.7136	.011	- .002	-27 11 25.52	7.158	.50	- .06	5	1.47	3520
2686*	9.7†	B. D. - 22° 5127... ..	19 24 21.368	+3.5940	-0.009	...	-22 42 11.48	+ 7.214	+ .49	...	5	3.26	3522
2687	7.6	Lalande 36798	24 51.946	3.6312	.009	...	-24 9 35.06	7.255	.49	...	5	1.67	3523
2688	6.1	Mayer 810	24 57.898	3.5634	.008	.000	-21 31 12.83	7.263	.48	- .01	5	2.10	3524
2689	9.0†	B. D. - 17° 5650... ..	25 8.837	3.4521	.007	...	-16 57 43.67	7.278	.47	...	3	2.36	3525
2690	7.4	Lacaille 8132	25 9.258	3.6781	.010	...	-25 56 40.96	7.278	.50	...	5	2.67	3526
2691	9.0†	B. D. - 21° 5421... ..	19 25 37.350	+3.5522	-0.008	...	-21 5 27.93	+ 7.316	+ .48	...	2	0.72	3527
2692	8.7†	B. D. - 17° 5655... ..	25 38.388	3.4738	.007	...	-17 52 57.86	7.318	.47	...	5	3.65	3528
2693	7.4	Lacaille 8135	25 49.072	3.7456	.011	...	-28 25 22.74	7.332	.51	...	5	2.70	3529
2694	7.3	Lalande 36857	25 51.302	3.5151	.008	...	-19 35 48.05	7.335	.47	...	5	1.06	3530
2695	7.5	Lalande 36981	28 35.116	3.4411	.007	...	-16 35 25.90	7.557	.46	...	5	0.65	3532
2696	8.8†	O. A. 19723	19 28 47.822	+3.5777	-0.009	...	-22 13 2.62	+ 7.575	+ .48	...	5	1.28	3533
2697	7.9	Piazzi XIX. 165	29 38.030	3.6103	.010	...	-23 31 41.13	7.642	.48	...	5	2.49	3534
2698	6.7	Piazzi XIX. 166	29 40.794	3.5465	.009	+ .0035	-20 59 47.96	7.646	.47	- .180	5	2.69	3535†
2699	8.4†	C. Z. XIX. 1210	29 56.414	3.6777	.011	...	-26 7 13.42	7.666	.49	...	5	3.64	3536
2700	5.8	51 Sagittarii	29 57.402	3.6465	.010	- .0007	-24 56 17.48	7.668	.49	- .021	5	2.52	3537
2701	6.1	Mayer 814	19 30 36.358	+3.4988	-0.008	.000	-19 4 25.07	+ 7.720	+ .47	+ .03	5	0.65	3538
2702†	4.8	52 Sagittarii	h 30 37.358	3.6502	.010	+ .0044	-25 6 15.58	7.722	.49	- .027	18	1.68	3539*
2703	5.8	Mayer 815	31 15.236	3.4834	.008	.000	-18 27 11.57	7.772	.46	.00	5	1.71	3541
2704	6.6	Lacaille 8175	32 41.796	3.7487	.012	...	-28 49 59.97	7.889	.50	...	5	0.67	3542
2705	8.2†	C. G. A. 26889	32 45.488	3.7144	.012	...	-27 35 50.06	7.895	.50	...	5	1.51	3543
2706*	8.0†	Lalande 37202	19 33 27.424	+3.4506	-0.008	...	-17 8 14.63	+ 7.950	+ .46	...	5	1.30	3544
2707	6.3	53 Sagittarii	33 48.902	3.6093	.010	- .0029	-23 39 18.26	7.979	.48	- .046	5	2.69	3545
2708	9.5†	B. D. - 21° 5472... ..	33 56.310	3.5568	.009	...	-21 33 59.28	7.988	.47	...	2	3.63	3547
2709	7.2	Lalande 37221	33 58.558	3.5747	.010	...	-22 17 27.66	7.992	.47	...	5	3.66	3548
2710	6.1	Bradley 2488	34 6.492	3.6091	.010	+ .0001	-23 39 27.43	8.002	.48	+ .007	5	3.07	3549
2711	6.8	Lalande 37243	19 34 11.542	+3.4097	-0.007	...	-15 23 44.27	+ 8.010	+ .45	...	5	3.68	3550
2712	7.9†	O. A. 19854	34 55.468	3.5436	.009	...	-21 4 8.19	8.067	.47	...	5	1.07	3551
2713	5.5	54 Sagittarii	34 59.696	3.4352	.007	+ .0046	-16 31 21.27	8.073	.46	- .047	13	2.24	3552*
2714	9.1†	O. A. 19868	35 39.920	3.4228	.007	...	-16 0 50.28	8.127	.45	...	3	2.99	3553
2715	9.6†	B. D. - 21° 5486... ..	36 0.560	3.5433	.009	...	-21 5 40.19	8.155	.47	...	2	3.64	3554
2716	9.0†	C. G. A. 26975	19 36 15.428	+3.6855	-0.012	...	-26 40 40.14	+ 8.174	+ .49	...	5	2.28	3555
2717	6.7	Lacaille 8198	36 18.560	4.6437	.011	...	-25 5 33.11	8.179	.48	...	5	3.46	3556
2718	5.2	55 Sagittarii	36 47.964	3.4301	.008	+ .0040	-16 21 30.27	8.218	.45	- .015	5	1.91	3558*
2719	8.3†	O. A. 19885	37 3.206	3.4784	.008	...	-18 26 3.57	8.238	.46	...	5	3.66	3559
2720	8.5†	O. A. 19891	37 22.598	3.4999	.009	...	-19 20 52.69	8.264	.46	...	5	3.26	3560

2686. B. D. 8.8 mag.
 2702. 4.8, 10.5 2" 9 164° 1897.7.
 2706. H.C.O. 6.6: Lalande, B.D., Cape (3 obs.) 8.0 mag.

2698. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900+	Ledger 1900-4.
2721	5.5	Mayer 820.....	^h 19 ^m 37 ^s 51.384	+3.4143	-0.007	+ 0.008	-15° 42' 7".01	+ 8.301	+ .45	- .17	5	2.50	3562
2722	7.4	Lalande 37420.....	38 33.912	3.5903	.010	...	-23 5 39.90	8.358	.47	...	5	1.33	3564
2723	8.0*	Lalande 37481.....	40 9.472	3.7028	.013	...	-27 30 33.08	8.484	.49	...	5	1.30	3567
2724	9.2†	C. Z. XIX. 1636....	40 14.870	3.6067	.011	...	-23 49 10.13	8.492	.47	...	3	2.02	3568
2725	5.1	56 Sagittarii.....f	40 31.737	3.5128	.009	- 0.0099	-20 0 5.91	8.514	.46	- 0.088	13	2.43	3570*
2726†	7.4	Lalande 37507.....	19 40 34.954	+3.5553	-0.010	...	-21 45 57.06	+ 8.518	+ .46	...	5	3.08	3571
2727	7.7	Lalande 37517.....	40 52.662	3.6812	.012	...	-26 44 0.96	8.542	.48	...	5	1.71	3572
2728	9.5‡	B. D. - 21° 5515...	40 54.605	3.5467	.010	...	-21 25 38.65	8.545	.46	...	2	3.67	3573
2729	8.5‡	Lalande 37529.....	41 6.828	3.6098	.011	...	-23 58 44.52	8.561	.47	...	5	3.67	3574
2730	9.0‡	C. Z. XIX. 1681.....	41 11.057	3.6008	.011	...	-23 37 31.49	8.566	.47	...	3	2.34	3575
2731	7.1	C. G. A. 27095.....	19 41 24.290	+3.4490	-0.008	...	-17 19 21.62	+ 8.583	+ .45	...	5	3.65	3576
2732	8.3‡	O. A. 19965.....	42 5.934	3.4793	.009	...	-18 39 0.81	8.638	.45	...	5	1.68	3579
2733	6.8	Mayer 823.....	42 6.342	3.5401	.010	- 0.003	-21 12 14.07	8.638	.46	.00	5	2.89	3580
2734	8.8‡	C. Z. XIX. 1736.....	42 24.940	3.5928	.011	...	-23 21 18.43	8.663	.47	...	3	0.72	3581
2735	9.5‡	B. D. - 19° 5607...	42 40.450	3.5011	.009	...	-19 35 52.76	8.683	.46	...	2	2.69	3582
2736	9.2‡	B. D. - 21° 5538...	19 43 47.815	+3.5484	-0.010	...	-21 36 55.31	+ 8.772	+ .46	...	2	1.16	3583
2737	8.4‡	Lalande 37659.....	44 18.358	3.5826	.011	...	-23 1 52.27	8.811	.47	...	5	1.32	3584
2738	8.5‡	O. A. 19995.....	44 25.828	3.5545	.010	...	-21 53 38.69	8.822	.46	...	5	2.27	3585
2739	9.0‡	B. D. - 19° 5621...	44 38.810	3.4945	.009	...	-19 23 17.56	8.839	.45	...	2	0.72	3586
2740	8.5‡	O. A. 20005.....	44 46.726	3.4088	.008	...	-15 40 28.40	8.849	.44	...	5	2.72	3587
2741	7.2	Lacaille 8243.....	19 45 0.458	+3.7023	-0.013	...	-27 43 30.05	+ 8.866	+ .48	...	5	1.47	3588
2742	7.5	C. G. A. 27173.....	45 11.458	3.6348	.012	...	-25 9 7.51	8.881	.47	...	5	3.64	3590
2743	8.6‡	O. A. 20018.....	46 1.532	3.5064	.010	...	-19 57 2.44	8.947	.45	...	5	1.29	3592
2744	6.0	57 Sagittarii.....	46 23.290	3.4908	.009	- 0.011	-19 17 56.45	8.975	.45	- 0.045	5	1.49	3593
2745	8.0‡	B. D. - 17° 5776...	46 42.770	3.4406	.009	...	-17 8 31.41	9.001	.44	...	5	2.12	3594
2746	8.3‡	Lalande 37782.....	19 46 59.180	+3.5382	-0.010	...	-21 19 24.35	+ 9.022	+ .46	...	5	1.90	3595
2747	6.4	Lalande 37797.....	47 27.856	3.3886	.008	...	-14 51 34.32	9.059	.44	...	5	1.49	3596
2748	8.9‡	O. A. 20044.....	47 37.684	3.4633	.009	...	-18 10 0.56	9.072	.45	...	5	3.45	3597
2749	6.3	Lacaille 8262.....	48 18.450	3.6069	.012	- 0.0107	-24 11 23.05	9.124	.46	- .419	5	0.88	3598†
2750	8.2‡	O. A. 20061.....	48 59.587	3.4168	.008	...	-16 10 27.00	9.179	.44	...	3	1.69	3599
2751	8.5‡	O. A. 20073.....	19 49 37.586	+3.5461	-0.011	...	-21 46 9.08	+ 9.228	+ .46	...	5	1.11	3601
2752	4.8	58 Sagittarii.....w	49 42.931	3.6654	.013	+ 0.0127	-26 33 53.20	9.235	.47	+ 0.093	12	2.54	3602
2753	7.6	Lacaille 8279.....	50 42.268	3.5827	.012	...	-23 19 48.11	9.311	.46	...	5	1.11	3603
2754	4.6	59 Sagittarii.....b	50 48.726	3.6866	.014	- 0.0023	-27 26 6.13	9.320	.47	- 0.024	5	1.86	3604
2755	7.6	O. A. 20089.....	50 53.427	3.4109	.008	...	-15 58 9.20	9.325	.44	...	3	2.67	3605
2756	7.8†	Lalande 37969.....	19 51 54.543	+3.4045	-0.008	...	-15 43 16.46	+ 9.405	+ .43	...	3	1.73	3606
2757	5.1	61 Sagittarii.....g	52 16.777	3.4051	.008	+ 0.0004	-15 45 24.90	9.433	.43	- 0.081	12	2.84	3607*
2758	4.9	60 Sagittarii.....A	52 51.722	3.6585	.013	.0000	-26 27 58.87	9.478	.47	+ 0.034	5	1.26	3608
2759	8.3‡	O. A. 20128.....	53 17.218	3.4599	.010	...	-18 13 45.81	9.510	.44	...	5	2.49	3609
2760	6.8	Lalande 38048.....	53 38.606	3.5588	.011	...	-22 28 56.48	9.539	.45	...	5	2.51	3611

2726. 7.5, 10.0 3"1 134° 1898.6.

2749. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R. A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900·4.
2761	8·9 $\frac{1}{2}$	Piazzi XIX. 339.....	^h 19 ^m 54 ^s 30·636	+3·5256	-·011	...	-21° 7' 47·40	+9·605	+·45	...	5	1·09	3612
2762	7·9	Lalande 38096.....	54 41·236	3·5021	·010	...	-20 7 49·52	9·618	·44	...	5	1·85	3614
2763	9·2 $\frac{1}{2}$	C. G. A. 27393.....	54 49·018	3·6055	·013	...	-24 27 34·22	9·628	·46	...	5	3·45	3615
2764	6·1	Lacaille 8308.....	55 27·336	3·5695	·012	...	-23 0 43·21	9·677	·45	...	5	2·35	3617
2765	7·4	Lalande 38141.....	55 48·878	3·4330	·009	...	-17 8 33·44	9·705	·43	...	5	3·26	3618
2766	5·7	63 Sagittarii.....	19 56 22·524	+3·3617	-·008	+·0007	-13 54 51·10	+9·748	+·42	+·028	12	3·09	3619 $\frac{1}{2}$
2767	4·6	62 Sagittarii.....	56 30·619	3·6928	·015	+·0023	-27 59 16·42	9·758	·47	+·013	15	1·49	3620 $\frac{1}{2}$
2768	8·0*	Lalande 38181.....	56 56·462	3·6492	·014	...	-26 19 11·69	9·791	·46	...	5	1·68	3621
2769	7·6	B. D. - 18° 5578...	57 7·990	3·4697	·010	...	-18 49 22·82	9·805	·44	...	5	2·66	3622
2770	6·5	Mayer 837.....	57 48·748	3·5633	·012	-·0050	-22 52 34·43	9·858	·45	+·041	5	3·09	3623
2771	7·2	Mayer 838.....	19 57 53·706	+3·3992	-·009	·000	-15 41 35·19	+9·864	+·43	+·01	5	1·92	3624
2772	7·1	Mayer 839.....	19 59 5·046	3·5315	·012	-·001	-21 35 45·01	9·954	·44	-·01	5	0·89	3628
2773	7·1	Lacaille 8334.....	19 59 5·976	3·6658	·015	...	-27 5 45·38	9·955	·46	...	5	2·10	3629
2774	9·6 $\frac{1}{2}$	B. D. - 20° 5812...	20 0 31·157	3·4977	·011	...	-20 12 12·00	10·063	·44	...	3	2·05	3630
2775	8·7 $\frac{1}{2}$	B. D. - 20° 5814...	20 0 38·580	3·5026	·011	...	-20 25 40·07	10·073	·44	...	5	2·49	3632
2776	9·5 $\frac{1}{2}$	B. D. - 20° 5815...	20 0 44·830	+3·4942	-·011	...	-20 3 50·83	+10·080	+·44	...	2	2·76	3633
2777	6·6	Lalande 38388.....	0 56·007	3·1604	·005	...	-4 21 46·96	10·094	·39	...	3	0·68	3634
2778	8·0 $\frac{1}{2}$	O. A. 20241.....	1 20·396	3·4356	·010	...	-17 28 55·24	10·124	·43	...	5	1·50	3635
2779	7·5	Lalande 38396.....	1 41·946	3·5895	·013	...	-24 10 12·32	10·152	·45	...	5	2·12	3636
2780	7·0	Mayer 842.....	2 26·358	3·4705	·011	·000	-19 5 35·41	10·207	·43	+·01	5	2·67	3639
2781	6·8	Mayer 843.....	20 2 50·656	+3·3870	-·009	+·001	-15 19 6·86	+10·239	+·42	-·12	5	1·11	3640
2782	7·6	Lalande 38455.....	2 58·770	3·3703	·009	...	-14 32 39·93	10·249	·42	...	5	1·91	3641
2783	7·3	Mayer 845.....	3 42·824	3·5097	·012	·000	-20 53 2·07	10·304	·43	-·06	5	1·54	3642
2784	7·2	Lacaille 8364.....	4 5·120	3·6204	·014	...	-25 34 37·49	10·331	·45	...	5	2·27	3643
2785	8·5 $\frac{1}{2}$	C. G. A. 2768.....	5 29·878	3·5928	·014	...	-24 31 20·32	10·437	·44	...	5	1·50	3646
2786	8·2 $\frac{1}{2}$	Lalande 38572.....	20 5 31·360	+3·5390	-·012	...	-22 14 49·91	+10·438	+·44	...	5	1·33	3647
2787	8·5 $\frac{1}{2}$	O. A. 20296.....	5 39·034	3·3948	·009	...	-15 47 32·01	10·448	·42	...	5	2·29	3648
2788	7·1	Piazzi XX. 12.....	6 10·747	3·0807	·004	...	-0 25 20·27	10·488	·38	...	3	1·37	3650
2789	5·8	2 Capricorni.....	6 51·623	3·3329	·008	+·0108	-12 54 38·49	10·539	·41	-·180	12	2·77	3652
2790	8·9 $\frac{1}{2}$	C. Z. XX. 190.....	6 52·674	3·6388	·015	...	-26 29 22·69	10·540	·45	...	5	2·73	3653
2791	7·9	B. D. - 22° 5372...	20 8 25·128	+3·5375	-·013	...	-22 20 26·39	+10·654	+·43	...	5	0·72	3654
2792	8·2 $\frac{1}{2}$	O. A. 20333.....	8 43·404	3·4485	·011	...	-18 23 49·91	10·676	·42	...	5	1·70	3655
2793	8·0 $\frac{1}{2}$	Piazzi XX. 33.....	8 55·966	3·4728	·011	...	-19 30 36·43	10·692	·42	...	5	2·31	3656
2794	5·8	Lacaille 8381.....	9 3·372	3·6564	·016	+·0946	-27 19 53·87	10·701	·45	-·228	5	2·51	3657 $\frac{1}{2}$
2795	7·8	Lalande 38765.....	9 31·688	3·4206	·010	...	-17 9 15·76	10·737	·42	...	5	2·88	3658
2796	7·1	Lalande 38771.....	20 9 32·650	+3·3472	-·009	...	-13 41 13·67	+10·738	+·41	...	5	2·92	3659
2797	8·4 $\frac{1}{2}$	C. G. A. 27737.....	9 45·550	3·3763	·009	...	-15 5 14·59	10·754	·41	...	5	3·67	3660
2798	8·2 $\frac{1}{2}$	Lalande 38782.....	10 15·222	3·5694	·014	...	-23 48 56·53	10·790	·43	...	5	1·71	3661
2799	7·8 $\frac{1}{2}$	O. A. 20356.....	10 27·150	3·4894	·012	...	-20 19 41·92	10·804	·42	...	5	1·31	3662
2800	8·9 $\frac{1}{2}$	O. A. 20361.....	10 57·098	3·5092	·012	...	-21 14 24·73	10·841	·43	...	5	2·72	3663

2794. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900+	Ledger 1900-4.
2801	7.8	O. A. 20362	^h 20 ^m 11 ^s 7.824	+3.3836	-.010	...	-15° 29' 18".98	+10".855	+ ".41	...	5	2.13	3664
2802	7.2	Lalande 38843	11 15.334	3.4534	.011	...	-18 44 21.78	10.863	.42	...	5	3.09	3666
2803	5.8	4 Capricorni.....	12 8.930	3.5277	.013	+ .0012	-22 7 7.86	10.929	.43	- .032	23 : 22	2.34 : 2.33	3667*
2804	6.6	C. G. A. 27826	13 35.678	3.5065	.012	...	-21 15 48.11	11.035	.42	...	5	1.11	3668
2805	5.5	7 Capricorni.....	13 37.472	3.4659	.012	- .0013	-19 25 50.47	11.037	.42	+ .008	5	1.73	3669
2806	7.0	Lacaille 8407.....	20 13 46.204	+3.6051	-.015	...	-25 32 15.10	+11.047	+ .43	...	5	2.53	3670
2807	8.1†	O. A. 20402.....	14 0.578	3.4302	.011	...	-17 48 4.30	11.065	.41	...	5	1.69	3671
2808	9.0†	B. D. - 20° 5896....	14 18.905	3.4901	.012	...	-20 34 20.70	11.088	.42	...	2	2.73	3672
2809	5.0	8 Capricorni.....	15 7.060	3.3302	.009	- .0016	-13 4 26.04	11.146	.40	- .005	5	3.07	3673
2810†	6.2	Bradley 2607.....	15 9.474	3.3719	.010	+ .0006	-15 6 1.12	11.148	.40	+ .02	5	1.94	3674
2811	3.2	9 Capricorni.....	^β 20 15 23.645	+3.3717	-.010	+ .0030	-15 5 50.13	+11.166	+ .40	+ .006	5	2.93	3676*
2812	8.0†	Lalande 39031.....	15 34.456	3.5614	.014	...	-23 47 35.18	11.179	.43	...	5	2.71	3677
2813	8.3†	B. D. - 16° 5581....	16 53.038	3.4068	.010	...	-16 50 22.35	11.274	.41	...	5	1.50	3678
2814	8.7†	O. A. 20461.....	18 4.100	3.4852	.012	...	-20 33 14.69	11.359	.41	...	3	1.06	3680
2815	8.5†	Lalande 39154.....	18 29.348	3.5250	.013	...	-22 22 17.57	11.389	.42	...	5	3.11	3682
2816	8.0†	W. B. XX. 387.....	20 18 32.816	+3.3407	-.009	...	-13 43 6.62	+11.394	+ .40	...	5	2.69	3683
2817	6.9	Lacaille 8430.....	18 36.350	3.6122	.016	...	-26 9 20.84	11.399	.43	...	5	1.50	3684
2818	6.9	Mayer 858.....	19 18.122	3.4664	.012	.000	-19 45 27.56	11.448	.41	.00	5	2.11	3686
2819	8.6†	Lalande 39218.....	20 16.892	3.5887	.015	...	-25 16 20.44	11.519	.42	...	5	1.12	3687
2820	7.1	O. A. 20498.....	20 50.064	3.4208	.011	...	-17 42 13.95	11.559	.40	...	5	2.07	3690
2821	8.6†	Lalande 39259.....	20 21 2.216	+3.4942	-.013	...	-21 8 9.32	+11.572	+ .41	...	5	2.72	3691
2822†	5.1	10 Capricorni.....	^π 21 35.876	3.4377	.012	+ .0004	-18 32 23.02	11.613	.40	- .002	5	2.15	3692*
2823	7.8†	B. D. - 14° 5753....	22 28.428	3.3497	.010	...	-14 19 36.95	11.674	.39	...	5	1.33	3693
2824	6.9	Lacaille 8459.....	22 48.602	3.5627	.015	- .0070	-24 18 46.80	11.699	.42	- .100	5	1.89	3694†
2825	6.5	Lalande 39357.....	23 5.500	3.3847	.010	...	-16 4 21.16	11.719	.40	...	5	2.30	3695
2826†	5.1	11 Capricorni.....	^ρ 20 23 9.443	+3.4276	-.011	- .0013	-18 8 39.59	+11.724	+ .40	- .020	10 : 9	1.93 : 2.06	3696*
2827	6.8	Lalande 39350.....	23 11.466	3.4935	.013	...	-21 13 59.03	11.725	.41	...	5	3.30	3697
2828	6.2	Lacaille 8463.....	23 39.346	3.5256	.014	...	-22 43 23.39	11.758	.41	...	5	3.69	3698
2829	7.5	Lalande 39395.....	23 58.348	3.3203	.009	...	-12 55 26.07	11.781	.39	...	5	3.11	3699
2830	5.6	12 Capricorni.....	^σ 24 9.990	3.4425	.012	- .0006	-18 54 51.02	11.795	.40	- .077	5	1.51	3700
2831	6.2	C. G. A. 28122.....	20 25 28.164	+3.3685	-.010	...	-15 23 26.04	+11.887	+ .39	...	5	1.71	3701
2832	9.3†	B. D. - 16° 5621....	25 29.943	3.3967	.011	...	-16 46 37.20	11.889	.39	...	3	1.22	3702
2833	7.8†	O. A. 20567.....	25 39.698	3.4109	.011	...	-17 28 29.17	11.901	.40	...	5	2.70	3703
2834	8.5†	Lalande 39450.....	25 42.050	3.4304	.012	...	-18 25 12.04	11.903	.40	...	3	1.06	3704
2835	6.2	Mayer 866.....	26 55.155	3.5782	.016	- .001	-25 16 53.30	11.989	.41	- .04	12	2.73	3705
2836†	5.9	Mayer 868.....	20 26 55.478	+3.2649	-.008	+ .0184	-10 11 40.58	+11.989	+ .38	+ .108	4	1.15	3706
2837	8.4†	Lalande 39527.....	27 26.567	3.3862	.011	...	-16 21 56.05	12.025	.39	...	3	1.07	3708
2838	8.5†	B. D. - 21° 5752....	27 37.862	3.4876	.013	...	-21 14 13.38	12.039	.40	...	5	2.71	3710
2839	8.5†	C. G. A. 28169.....	28 14.344	3.5380	.015	...	-23 35 27.17	12.081	.41	...	5	3.12	3711
2840	6.4	Lacaille 8492.....	28 37.390	3.7076	.020	...	-30 48 55.13	12.108	.43	...	3	1.05	3712

2810. 6.2, 10.0 1" 1 103° 1893.4.

2822. 5.1, 8.7 3 5 146 1897.7.

2826. 5.1, 7.6 2 8 174 1888.7. Mass=5.0, 9.457, 39.67, 8 obs., 1901.72.

2836. 5.9, 11 4 7 26 1898.7.

2824. Proper Motion from Radcliffe 1890.

No.	Mag.	Name.	Mean R. A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2841	6·1	Mayer 869	^h 20 ^m 28 ^s 37·760	+3·3392	-·010	+·004	-14° 3' 53"·06	+12"·109	+·38	+·09	5	1·93	3713
2842	7·8†	Lalande 39577	28 42·660	3·4543	·013	...	-19 44 21·69	12·115	·40	...	5	2·31	3714
2843	8·5†	O. A. 20628	29 42·850	3·4197	·012	...	-18 7 51·25	12·184	·39	...	5	1·52	3716
2844	6·2	Mayer 870	29 52·760	3·3940	·011	+·003	-16 52 10·03	12·196	·39	-·02	5	2·31	3717
2845	7·3	Mayer 871	30 39·236	3·4770	·013	·000	-20 55 51·34	12·249	·40	-·01	5	1·52	3718
2846	7·0	Lalande 39676	20 30 45·534	+3·3112	-·009	...	-12 43 38·34	+12·257	+·38	...	5	1·72	3719
2847	7·1	Lacaille 8505	31 52·664	3·5150	·015	...	-22 47 28·95	12·334	·40	...	5	1·91	3721
2848	7·0	Lalande 39756	32 27·825	3·2839	·009	...	-11 22 52·55	12·374	·37	...	6	1·55	3722
2849	8·0†	Lalande 39798	33 5·230	3·1615	·006	...	- 4 51 42·04	12·417	·36	...	3	1·03	3723
2850	5·2	14 Capricorni	33 40·890	3·3588	·011	-·0012	-15 18 20·39	12·458	·38	-·012	5	2·12	3724
2851	9·1†	O. A. 20696	20 33 48·308	+3·4537	-·013	...	-20 1 23·55	+12·466	+·39	...	5	3·12	3725
2852	6·3	Lacaille 8522	34 14·840	3·5406	·016	+·0317	-24 8 20·47	12·497	·40	+·422	5	2·90	3727†
2853	5·4	15 Capricorni	34 21·470	3·4217	·012	-·0018	-18 29 26·66	12·504	·38	-·007	15 : 14	1·65 : 1·72	3728*
2854	6·7	Lacaille 8527	34 48·277	3·6481	·019	...	-28 54 11·51	12·534	·41	...	3	1·68	3729
2855	5·9	Mayer 877	34 55·378	3·3807	·011	-·008	-16 28 47·83	12·542	·38	+·08	5	3·11	3730
2856	8·0†	Lalande 39892	20 35 40·348	+3·3287	-·010	...	-13 51 18·15	+12·593	+·37	...	5	1·73	3731
2857	9·1†	O. A. 20754	36 18·296	3·4837	·014	...	-21 37 51·53	12·636	·39	...	5	1·51	3732
2858	7·8†	Lalande 39955	37 6·682	3·3197	·010	-·0130	-13 26 53·62	12·692	·37	-·136	5	1·70	3733†
2859	9·8†	B. D. - 17° 6062 ...	37 25·700	3·3900	·012	...	-17 5 27·98	12·713	·38	...	3	1·41	3734
2860	6·8	W. B. XX. 908	38 5·948	3·2915	·009	...	-12 0 2·67	12·758	·37	...	5	1·92	3735
2861	7·3	Lalande 39981	20 38 11·700	+3·4414	-·013	...	-19 42 9·88	+12·765	+·38	...	5	1·52	3736
2862	9·2†	O. A. 20783	38 14·333	3·3897	·012	...	-17 7 19·75	12·767	·38	...	3	2·07	3737
2863	7·0	Lalande 40019	38 59·694	3·3389	·010	...	-14 32 47·97	12·819	·37	...	5	2·34	3738
2864	8·1†	W. B. XX. 942	39 9·786	3·2692	·009	...	-10 51 10·35	12·830	·36	...	5	3·12	3739
2865	9·5†	O. A. 20804	39 15·817	3·3805	·012	...	-16 42 43·70	12·837	·37	...	3	3·37	3740
2866	6·9	C. G. A. 28445	20 39 38·002	+3·3694	-·011	...	-16 9 39·33	+12·861	+·37	...	5	1·31	3741
2867	8·5†	B. D. - 16° 5691 ...	39 40·187	3·3691	·011	...	-16 8 54·63	12·864	·37	...	3	2·36	3742
2868	5·8	17 Capricorni	40 22·178	3·4828	·015	-·0007	-21 52 39·23	12·910	·38	-·015	5	1·52	3743
2869	7·2	Lacaille 8556	40 24·508	3·5292	·016	...	-24 5 16·79	12·913	·39	...	5	2·92	3744
2870	8·2†	B. D. - 17° 6081 ...	40 55·772	3·3945	·012	...	-17 31 34·36	12·948	·37	...	5	2·54	3745
2871	8·0†	O. A. 20847	20 41 41·252	+3·4223	-·013	...	-18 59 11·64	+12·998	+·37	...	5	3·09	3746
2872	3·6	2 Aquarii	42 15·808	3·2488	·008	+·0017	- 9 51 42·95	13·037	·35	-·030	20	1·97	3747*
2873	7·3	Lacaille 8572	42 31·650	3·5050	·015	+·0009	-23 6 13·99	13·055	·38	-·190	5	1·33	3748†
2874	7·0	C. G. A. 28518	42 35·686	3·3801	·012	...	-16 53 15·70	13·059	·37	...	5	3·12	3750
2875	8·0†	O. A. 20874	43 28·286	3·4602	·014	+·0218	-20 59 43·28	13·117	·38	-·258	5	2·91	3751†
2876	6·4	Mayer 881	20 43 40·256	+3·4083	-·013	-·002	-18 24 18·06	+13·130	+·37	-·02	5	1·57	3752
2877	7·8†	Lalande 40168	43 57·046	3·2835	·009	...	-11 49 31·17	13·149	·36	...	5	1·52	3753
2878	8·0	Lalande 40197	45 0·208	3·3582	·011	...	-15 52 58·48	13·218	·36	...	5	1·50	3754
2879	6·0	Piazzi XX. 325	45 11·099	3·3025	·010	+·0079	-12 54 55·61	13·230	·36	-·054	12	2·33	3755†
2880	8·1†	Lalande 40238	45 46·622	3·3276	·011	...	-14 17 47·14	13·269	·36	...	5	1·31	3756

2852, 2858, 2873, 2879. Proper Motion from *Cincinnati Pub.*, 14.
2875. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2881	7.4	Lalande 40258.....	^h 20 ^m 46 ^s 21.540	+3.2610	-.009	...	-10° 41' 30".45	+13".307	+ ".35	...	5	3.29	3757
2882	7.2	Lalande 40257.....	46 32.994	3.4362	.014	...	-20 1 6.50	13.319	.37	...	5	2.16	3758
2883	7.3	Lalande 40256.....	46 35.502	3.4679	.015	...	-21 36 23.61	13.322	.37	...	5	2.53	3759
2884	7.0	Mayer 883.....	46 59.946	3.3131	.010	-.001	-13 34 43.41	13.349	.36	+ .03	5	0.92	3760
2885	9.1†	B. D. - 17° 6112...	47 18.218	3.3841	.012	...	-17 22 54.43	13.368	.36	...	5	3.67	3762
2886	6.5	Lacaille 8610.....	^h 20 ^m 47 ^s 18.387	+3.6729	-.022	...	-31 5 43.10	+13.368	+ .39	...	3	2.70	3763
2887	6.4	Mayer 885.....	47 37.444	3.2828	.009	+ .003	-11 57 6.08	13.389	.35	+ .05	5	1.53	3764
2888†	7.1	Lalande 40311.....	47 50.268	3.4241	.013	...	-19 29 28.55	13.403	.37	...	5	2.73	3765
2889	7.2	Lacaille 8617.....	48 8.844	3.5279	.017	...	-24 39 28.87	13.424	.38	...	5	2.13	3766
2890	5.7	19 Capricorni.....	49 8.843	3.3993	.013	-.0051	-18 18 7.75	13.489	.36	-.006	12	1.74	3768†
2891	8.9†	C. P. D. - 23° 7879..	^h 20 ^m 49 ^s 15.292	+3.4965	-.016	...	-23 13 53.50	+13.495	+ .37	...	5	1.72	3769
2892	7.7	Piazzi XX. 367.....	49 21.682	3.3493	.011	...	-15 39 45.84	13.503	.36	...	5	2.02	3770
2893	8.0†	W. B. XX. 1209.....	50 9.606	3.3041	.010	...	-13 14 56.19	13.554	.35	...	5	2.15	3771
2894	7.5	O. A. 20970.....	51 5.694	3.4764	.015	...	-22 23 20.28	13.614	.37	...	5	0.72	3772
2895†	5.7	7 Aquarii.....	51 29.786	3.2464	.009	-.0006	-10 4 51.23	13.640	.34	-.005	5	1.73	3773*
2896	5.7	Mayer 889.....	^h 20 ^m 52 ^s 4.818	+3.3601	-.012	+ .002	-16 24 59.03	+13.677	+ .35	+ .02	5	1.77	3774
2897	7.5	Lalande 40499.....	52 33.878	3.2856	.010	...	-12 20 24.77	13.708	.34	...	5	1.71	3776
2898	5.9	Lalande 40522.....	53 9.624	3.3306	.011	...	-14 52 9.88	13.746	.35	...	5	1.12	3777
2899	7.8†	Lalande 40536.....	53 40.652	3.4416	.014	...	-20 49 54.25	13.779	.36	...	5	1.76	3778
2900	8.7†	Lalande 40553.....	53 48.362	3.2627	.009	...	-11 6 4.15	13.788	.34	...	5	2.71	3779
2901	6.2	20 Capricorni.....	^h 20 ^m 53 ^s 55.258	+3.4143	-.014	.0000	-19 25 22.59	+13.794	+ .36	-.010	5	1.33	3780
2902	6.5	21 Capricorni.....	55 14.114	3.3842	.013	-.0041	-17 55 15.28	13.877	.35	+ .012	10	1.91	3782
2903	8.2*	Lalande 40622.....	55 36.722	3.4904	.016	..	-23 28 10.28	13.902	.36	...	5	1.32	3783
2904	6.7	9 Aquarii.....	55 37.694	3.3109	.011	-.0029	-13 55 16.12	13.903	.34	-.006	5	1.96	3784
2905	9.1†	O. A. 21036.....	56 22.716	3.4546	.015	...	-21 43 28.04	13.950	.36	...	5	3.11	3785
2906	7.1	Mayer 894.....	^h 20 ^m 56 ^s 32.590	+3.2777	-.010	-.001	-12 5 16.71	+13.960	+ .34	-.02	5	1.91	3786
2907	7.8	Lalande 40687.....	57 0.524	3.3443	.012	...	-15 51 57.08	13.989	.34	...	5	1.94	3788
2908	6.7	Lalande 40707.....	57 10.868	3.2477	.009	...	-10 23 22.53	14.000	.33	...	5	2.36	3789
2909	7.6	Lacaille 8661.....	57 25.667	3.5274	.018	...	-25 28 6.38	14.016	.36	...	3	0.71	3790
2910	8.5†	Lalande 40724.....	57 40.510	3.3321	.011	...	-15 13 32.90	14.031	.34	...	3	2.71	3791
2911	7.3	Lalande 40746.....	^h 20 ^m 57 ^s 57.633	+3.1006	-.005	...	- 1 42 10.09	+14.049	+ .32	...	3	1.38	3792
2912	8.0†	Piazzi XX. 433.....	^h 20 ^m 58 ^s 23.072	3.3908	.013	...	-18 30 25.69	14.075	.35	...	5	2.33	3793
2913	4.8	22 Capricorni.....	^h 20 ^m 58 ^s 42.888	3.4229	.014	-.0025	-20 15 1.94	14.096	.35	-.047	5	1.73	3795*
2914	7.9	Lalande 40803.....	21 0 5.817	3.3307	.011	...	-15 18 12.37	14.181	.34	...	3	1.42	3797
2915	4.1	23 Capricorni.....	^h 21 ^m 0 ^s 19.615	3.3722	.013	+ .0051	-17 37 49.14	14.196	.34	-.067	29: 32	2.32: 2.33	3798*
2916	8.7†	Lalande 40822.....	21 0 26.258	+3.2558	-.009	...	-11 0 38.94	+14.202	+ .33	...	5	2.13	3799
2917	6.7	Bradley 2736.....	0 59.903	3.4256	.014	-.0024	-20 34 48.54	14.237	.35	-.04	3	1.04	3801
2918†	7.3	Lalande 40865.....	1 37.118	3.3119	.011	+ .0233	-14 19 22.72	14.275	.33	.000	5	2.77	3802†
2919	6.7	Piazzi XX. 462.....	1 49.912	3.4040	.014	...	-19 29 18.03	14.288	.34	...	5	1.97	3803
2920	6.0	C. G. A. 28968.....	2 7.647	3.3739	.013	...	-17 51 24.40	14.306	.34	...	3	1.05	3804

2888. 7.1, 13.7 2"6 342° 1897.8.
 2895. 5.7, 11.4 2 "1 164 1897.7.
 2918. 7.3, 11.0 5 "6 152 1878.6.

2918. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2921	7.7	C. G. A. 28969.....	^h 21 ^m 2 ^s 10.146	+3.4645	-0.016	...	-22° 44' 13".05	+14.309	+0.35	...	5	2.94	3805
2922	6.5	Lalande 40907.....	2 12.913	3.0914	.005	...	-1 10 3.50	14.312	.31	...	3	1.75	3806
2923	8.3†	Lalande 40918.....	2 46.594	3.2927	.010	...	-13 17 1.09	14.346	.33	...	5	3.31	3807
2924	5.3	25 Capricorni.....	2 49.987	3.4417	.015	-0.0004	-21 35 44.19	14.349	.34	-0.053	12	2.64	3808
2925	6.1	27 Capricorni.....	3 50.016	3.4282	.015	+0.0070	-20 57 29.03	14.410	.34	-0.131	5	1.51	3809
2926	4.4	13 Aquarii.....	^h 21 ^m 4 8.882	+3.2658	-0.010	+0.0057	-11 46 35.81	+14.429	+0.33	-0.006	18	1.81	3811*
2927	7.4	Piazzi XX. 487.....	4 34.874	3.3397	.012	...	-16 6 28.09	14.456	.33	...	5	2.75	3812
2928	7.3	Lacaille 8716.....	4 44.863	3.4628	.016	...	-22 53 4.82	14.466	.34	...	3	1.76	3813
2929	8.5†	Lalande 41000.....	4 46.872	3.3616	.013	...	-17 21 50.87	14.468	.33	...	5	3.69	3814
2930	8.0*	C. G. A. 29038.....	4 52.888	3.4784	.017	...	-23 42 56.42	14.474	.35	...	5	2.33	3815
2931	8.2†	O. A. 21183.....	^h 21 ^m 4 54.420	+3.3859	-0.013	...	-18 44 13.91	+14.475	+0.34	...	5	3.69	3816
2932	8.4†	B. D. - 10° 5619...	5 20.158	3.2453	.009	...	-10 36 59.05	14.501	.32	...	5	2.13	3817
2933	9.4†	B. D. - 12° 5925...	5 20.643	3.2818	.010	...	-12 47 30.80	14.502	.32	...	3	2.04	3818
2934	6.4	Piazzi XX. 493.....	5 23.480	3.2310	.009	...	-9 45 35.43	14.504	.32	...	5	2.57	3819
2935	6.5	Mayer 902.....	6 9.892	3.3165	.011	-0.001	-14 52 52.30	14.552	.33	+0.02	5	0.92	3820
2936	8.4†	Lalande 41138.....	^h 21 ^m 8 12.533	+3.3173	-0.012	...	-15 3 35.42	+14.674	+0.32	...	3	0.71	3824
2937	8.5†	Piazzi XXI. 20.....	8 16.746	3.4126	.015	...	-20 30 2.01	14.678	.33	...	5	1.35	3825
2938	6.9	Mayer 903.....	8 17.090	3.4517	.016	-0.001	-22 37 27.42	14.678	.34	-0.01	5	1.80	3826
2939	8.8†	W. B. XXI. 101.....	8 31.537	3.3007	.011	...	-14 6 8.10	14.693	.32	...	3	3.07	3827
2940	7.7	Lalande 41159.....	8 39.818	3.2800	.010	...	-12 52 44.55	14.701	.32	...	5	2.95	3828
2941	6.5	Lalande 41163.....	^h 21 ^m 8 52.130	+3.2490	-0.009	...	-11 1 6.54	+14.713	+0.32	...	5	3.32	3829
2942	6.1	Lalande 41191.....	9 30.986	3.3621	.013	...	-17 45 31.82	14.751	.33	...	5	3.12	3830
2943	5.3	28 Capricorni.....	9 56.414	3.4201	.015	-0.0016	-21 4 0.40	14.776	.33	+0.004	5	2.55	3831
2944	8.2†	O. A. 21247.....	10 1.558	3.3398	.012	...	-16 30 21.70	14.782	.32	...	5	1.36	3832
2945	5.5	29 Capricorni.....	10 12.810	3.3239	.012	+0.0002	-15 35 13.39	14.793	.32	+0.010	5	2.96	3833
2946	6.5	Lalande 41246.....	^h 21 ^m 10 30.970	+3.2905	-0.011	...	-13 37 0.39	+14.810	+0.32	...	5	3.33	3834
2947	9.2†	W. B. XXI. 157.....	10 33.460	3.2948	.011	...	-13 52 41.69	14.813	.32	...	3	2.74	3835
2948	6.8	14 Aquarii.....	10 55.662	3.2248	.009	-0.0024	-9 37 52.56	14.835	.31	+0.004	5	3.49	3836
2949	5.4	30 Capricorni.....	12 20.844	3.3693	.014	-0.0005	-18 24 14.60	14.918	.32	-0.003	5	1.15	3838
2950	8.6†	B. D. - 19° 6065...	12 34.046	3.3812	.014	...	-19 6 22.12	14.931	.32	...	5	2.18	3839
2951	6.8	Mayer 906.....	^h 21 ^m 12 45.972	+3.4099	-0.015	-0.004	-20 45 15.97	+14.943	+0.33	-0.03	5	2.75	3840
2952	8.1†	B. D. - 13° 5901...	13 5.828	3.2779	.010	...	-13 0 54.63	14.962	.31	...	5	3.33	3841
2953	6.9	Mayer 907.....	13 41.712	3.3366	.013	-0.001	-16 35 59.00	14.997	.32	-0.02	5	1.53	3843
2954	7.1	W. B. XXI. 252.....	14 18.956	3.3000	.011	...	-14 26 22.21	15.032	.31	...	5	0.72	3846
2955	8.4†	Lalande 41431.....	15 23.806	3.2556	.010	...	-11 46 23.62	15.095	.31	...	5	1.54	3848
2956	8.6†	B. D. - 20° 6192...	^h 21 ^m 15 44.704	+3.3910	-0.015	...	-19 57 7.87	+15.115	+0.32	...	5	2.75	3850
2957	8.1†	Lalande 41445.....	15 58.452	3.3168	.012	...	-15 34 47.42	15.128	.31	...	5	1.75	3851
2958	8.6†	Lalande 41487.....	16 36.872	3.1943	.008	...	-7 56 45.70	15.165	.30	...	5	3.51	3852
2959	4.3	32 Capricorni.....	16 40.770	3.3438	.013	+0.0022	-17 15 37.52	15.168	.31	+0.003	26 : 27	2.20 : 2.23	3853*
2960	6.3	17 Aquarii.....	17 34.624	3.2217	.009	-0.0052	-9 44 44.07	15.220	.30	-0.023	5	0.92	3854

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
2961	5.3	33 Capricorni.....	h m s 21 18 29.404	s +3.4094	s -0.15	s -0.032	-21° 16' 37".33	+15.271	+32	-115	5	1.56	3855
2962	5.5	18 Aquarii.....	18 43.657	3.2768	.011	+0.048	-13 18 25.97	15.285	.30	+0.02	12	1.99	3856
2963	9.4†	B. D. - 17° 6262...	.19 37.938	3.3327	.013	...	-16 49 56.77	15.336	.31	...	5	1.96	3857
2964	5.6	19 Aquarii.....	19 50.652	3.2266	.009	-0.021	-10 10 28.28	15.348	.30	-167	5	1.55	3858
2965	6.7	Lalande 41601.....	19 55.538	3.2979	.011	...	-14 42 29.22	15.353	.30	...	5	1.77	3859
2966†	9.0†	W. B. XXI. 397.....	21 19 55.357	+3.2289	-0.09	...	-10 19 31.92	+15.352	+30	...	3	2.22	3860
2967	8.7†	B. D. - 18° 5935...	20 41.172	3.3600	.014	...	-18 34 52.10	15.395	.31	...	5	2.54	3861
2968	8.2†	Lalande 41647.....	20 56.540	3.3122	.012	...	-15 40 40.12	15.410	.30	...	5	1.52	3862
2969	8.5†	Lalande 41656.....	21 2.558	3.2438	.010	...	-11 20 57.72	15.416	.30	...	5	3.15	3863
2970	7.8	B. D. - 19° 6098...	21 26.184	3.3741	.014	...	-19 29 25.00	15.437	.31	...	5	1.56	3864
2971	6.0	35 Capricorni.....	21 21 34.680	+3.4101	-0.16	-0.036	-21 37 43.54	+15.445	+31	-0.27	5	1.34	3865
2972†	7.7*	Piazzi XXI. 123.....	21 50.784	3.3928	.015	+0.038	-20 38 39.81	15.460	.31	-113	5	2.14	3866†
2973	7.5	W. B. XXI. 451.....	22 5.168	3.1834	.008	...	-7 26 50.88	15.473	.29	...	5	3.69	3867
2974	6.8	Piazzi XXI. 126.....	22 13.306	3.2544	.010	...	-12 5 57.59	15.481	.30	...	5	2.57	3868
2975†	9.1†	Lalande 41705.....	22 27.130	3.2816	.011	...	-13 52 0.95	15.494	.30	...	3	2.79	3869
2976	8.0*	Piazzi XXI. 128.....	21 22 32.497	+3.2857	-0.11	...	-14 7 51.85	+15.499	+30	...	3	1.39	3870
2977	4.7	36 Capricorni.....	b 23 1.346	3.4180	.016	+0.091	-22 14 33.49	15.525	.31	-0.18	5	1.54	3872*
2978	9.0†	B. D. - 13° 5941...	23 56.688	3.2697	.011	...	-13 12 29.42	15.576	.29	...	5	1.97	3873
2979	7.1	Piazzi XXI. 144.....	24 11.646	3.2890	.011	...	-14 27 43.98	15.590	.30	...	5	1.12	3874
2980	6.5	Mayer 916.....	24 22.888	3.3709	.015	+0.01	-19 35 3.35	15.600	.30	-0.4	5	1.97	3875
2981	9.2†	W. B. XXI. 506.....	21 24 37.932	+3.2057	-0.09	...	-9 2 21.87	+15.614	+29	...	5	1.74	3876
2982	8.6†	O. A. 21437.....	25 41.720	3.3382	.013	...	-17 41 55.99	15.672	.30	...	5	1.53	3878
2983	7.3	Lalande 41835.....	26 13.416	3.2215	.009	-0.122	-10 10 53.58	15.701	.29	-163	5	1.33	3880†
2984	6.9	Lalande 41870.....	26 56.440	3.2589	.010	...	-12 42 30.16	15.740	.29	...	5	1.34	3881
2985	9.0†	B. D. - 15° 6005...	27 11.518	3.2924	.012	...	-14 54 33.67	15.754	.29	...	5	2.35	3882
2986	7.1	Mayer 920.....	21 28 8.750	+3.3180	-0.13	.000	-16 38 27.82	+15.805	+29	-10	5	1.52	3883
2987	8.5†	W. B. XXI. 599.....	28 18.630	3.2109	.009	...	-9 34 38.40	15.814	.28	...	3	1.39	3884
2988	5.7	37 Capricorni.....	29 14.116	3.3783	.015	-0.026	-20 31 48.38	15.863	.29	+0.33	5	1.34	3885
2989	8.0*	Piazzi XXI. 186.....	29 22.610	3.2094	.009	...	-9 31 52.13	15.871	.28	...	5	1.36	3887
2990	9.2†	Lalande 41973.....	29 22.927	3.2074	.009	...	-9 23 40.62	15.871	.28	...	3	2.72	3888
2991	8.6†	Lalande 42005.....	21 30 9.507	+3.2485	-0.10	...	-12 14 7.25	+15.913	+28	...	3	1.24	3889
2992	7.6	Piazzi XXI. 193.....	30 48.086	3.3487	.014	...	-18 50 20.79	15.947	.29	...	5	1.76	3890
2993	8.0†	Lalande 42043.....	31 16.772	3.2722	.011	...	-13 54 22.04	15.972	.28	...	5	2.57	3891
2994	9.6†	B. D. - 12° 6040...	31 28.840	3.2441	.010	...	-12 1 37.05	15.983	.28	...	3	2.37	3892
2995	4.7	39 Capricorni.....	e 31 28.936	3.3645	.015	-0.010	-19 54 51.24	15.983	.29	+0.01	5	2.54	3893
2996	7.3	Lalande 42058.....	21 31 32.914	+3.2235	-0.09	...	-10 37 20.59	-15.986	+28	...	5	3.69	3894
2997	7.7†	Lalande 42073.....	31 56.248	3.2420	.010	...	-11 54 32.50	16.006	.28	...	5	3.72	3895
2998	8.5†	B. D. - 11° 5632...	32 11.283	3.2354	.010	...	-11 28 22.13	16.019	.28	...	3	3.24	3896
2999	4.8	23 Aquarii.....	f 32 25.766	3.1894	.008	+0.075	-8 18 9.90	16.033	.27	-0.23	17 : 20	1.93 : 1.96	3897*
3000	7.1	Piazzi XXI. 212.....	32 45.074	3.2923	.012	...	-15 21 38.27	16.049	.28	...	5	2.37	3898

2966. 9.5, 10.0 1" 349° 1895.2.
 2972. 7.7, 10.8 2 7 195 1898.7.
 2975. 9.1, 9.8 2 9 133 1891.8.

2972. Proper Motion from *Cincinnati Pub.*, 13.
 2983. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3001	9.0†	B. D. — 11° 5634...	^{h m s} 21 32 45.567	^s +3.2263	^s -0.009	^s ...	-10° 53' 18.95	+16.050	+ .28	...	3	2.09	3899
3002	7.7	O. A. 21539	33 29.460	3.3971	.016	...	-22 9 52.86	16.088	.29	...	5	2.35	3900
3003	6.2	Lalande 42160	34 5.686	3.2271	.010	...	-11 1 37.85	16.120	.27	...	5	1.55	3901
3004	8.6†	B. D. — 13° 5985...	34 13.152	3.2567	.011	...	-13 4 30.06	16.126	.27	...	5	3.33	3902
3005	3.7	40 Capricorni.....γ	34 33.120	3.3163	.013	+ .0129	-17 6 50.60	16.143	.28	- .018	25 : 26	2.50 : 2.48	3903*
3006	8.0†	Lalande 42219	^{h m s} 21 35 37.392	^s +3.2053	^s -0.009	...	- 9 35 45.25	+16.198	+ .27	...	5	2.17	3904
3007	5.1	42 Capricorni.....	36 6.656	3.2752	.011	- .0106	-14 29 37.22	16.224	.27	- .299	5	1.55	3905
3008	8.0†	W. B. XXI. 818	36 35.980	3.2488	.010	...	-12 42 18.29	16.249	.27	...	5	1.75	3907
3009	4.8	43 Capricorni.....κ	37 4.562	3.3459	.014	+ .0094	-19 19 19.58	16.274	.28	- .006	5	1.58	3908*
3010†	8.7†	B. D. — 21° 6076...	37 23.183	3.3693	.016	...	-20 52 4.78	16.289	.28	...	6	3.57	3909
3011	6.0	44 Capricorni.....	^{h m s} 21 37 37.054	^s +3.2787	^s -0.012	- .0026	-14 51 24.87	+16.301	+ .27	+ .030	5	2.54	3910
3012	6.1	Mayer 928	37 37.972	3.3566	.015	+ .004	-20 4 39.05	16.302	.28	- .02	5	2.97	3911
3013	8.2†	B. D. — 18° 5998...	38 0.700	3.3221	.013	...	-17 50 38.37	16.321	.27	...	5	3.73	3913
3014	8.6†	Lalande 42321	38 7.250	3.1794	.008	...	- 7 51 55.63	16.326	.26	...	5	2.72	3914
3015	5.8	45 Capricorni.....	38 33.400	3.2825	.012	- .0036	-15 12 27.14	16.348	.27	- .05	5	1.76	3915
3016	8.9†	B. D. — 10° 5755...	^{h m s} 21 39 31.064	^s +3.2172	^s -0.009	...	-10 40 20.33	+16.397	+ .26	...	5	2.77	3916
3017	5.3	46 Capricorni.....ε ¹	39 40.382	3.2014	.009	- .0023	- 9 32 30.79	16.405	.26	+ .020	5	1.93	3917
3018	7.5	Lacaille 8907.....	39 40.753	3.4908	.021	...	-28 35 10.52	16.405	.29	...	3	1.82	3918
3019	6.3	47 Capricorni.....ε ²	40 56.210	3.2031	.009	- .0015	- 9 44 14.02	16.468	.26	+ .001	6	1.75	3921
3020	5.5	48 Capricorni.....λ	41 9.188	3.2316	.010	+ .0015	-11 49 37.67	16.479	.26	- .004	5	2.97	3922*
3021	7.0	50 Capricorni.....	^{h m s} 21 41 18.703	^s +3.2361	^s -0.010	- .0003	-12 9 21.43	+16.487	+ .26	- .133	3	1.41	3923
3022	3.0	49 Capricorni.....δ	41 31.387	3.2984	.013	+ .0176	-16 34 52.76	16.497	.27	- .297	14 : 13	2.46 : 2.59	3924*
3023	7.7†	Lalande 42441	42 12.466	3.3278	.014	...	-18 40 34.32	16.532	.27	...	5	3.53	3926
3024	6.1	Lalande 42463	42 22.434	3.1567	.007	...	- 6 22 49.12	16.539	.25	...	5	1.98	3927
3025	8.7†	O. A. 21661	43 6.698	3.2685	.012	...	-14 37 45.74	16.576	.26	...	5	2.18	3928
3026	7.7	W. B. XXI. 985.....	^{h m s} 21 43 45.018	^s +3.2810	^s -0.012	...	-15 35 8.22	+16.607	+ .26	...	5	1.15	3929
3027	6.1	Mayer 932	44 16.846	3.2471	.011	- .002	-13 11 20.75	16.633	.26	+ .04	5	1.74	3930
3028	6.5	Mayer 933	44 42.992	3.3041	.013	+ .001	-17 18 40.17	16.654	.26	- .01	5	1.58	3931
3029	8.4†	Lalande 42538	44 49.114	3.2277	.010	...	-11 48 33.41	16.659	.25	...	5	3.70	3932
3030	8.0†	Lalande 42544	45 15.632	3.3570	.016	...	-21 0 28.00	16.681	.26	...	5	2.78	3933
3031	6.8	W. B. XXI. 1016...	^{h m s} 21 45 15.816	^s +3.1956	^s -0.009	...	- 9 26 54.13	+16.681	+ .25	...	5	1.80	3934
3032	7.5†	Lalande 42570	45 45.120	3.1810	.008	...	- 8 22 32.11	16.704	.25	...	5	2.73	3935
3033	6.1	Mayer 934	46 8.628	3.3273	.014	+ .008	-19 5 21.03	16.724	.26	- .08	5	1.32	3937
3034	9.2†	B. D. — 16° 5961...	47 5.476	3.2924	.013	...	-16 43 40.62	16.769	.26	...	5	3.52	3939
3035	8.0†	Piazzi XXI. 307.....	47 11.670	3.3035	.013	...	-17 32 9.16	16.775	.26	...	5	1.60	3940
3036	5.1	51 Capricorni.....μ	^{h m s} 21 47 50.757	^s +3.2543	^s -0.011	+ .0204	-14 1 21.08	+16.805	+ .25	.000	17	2.24 : 2.37	3941*
3037	7.8	W. B. XXI. 1071...	47 55.880	3.2628	.011	...	-14 39 36.58	16.810	.25	...	5	1.55	3942
3038	6.5	Lalande 42647	48 15.256	3.2107	.009	...	-10 46 57.37	16.824	.25	...	5	1.98	3943
3039	8.0†	Lalande 42692	49 38.908	3.2311	.010	...	-12 26 34.12	16.891	.25	...	5	0.95	3944
3040†	7.4	Lalande 42730	50 57.464	3.1656	.008	...	- 7 27 15.86	16.952	.24	...	5	1.53	3946

3010. 8.7, 11.0 3"7 57° 1897.8.
3040. 7.6, 9.9 1'2 51° 1898.6.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3041	8.1†	Lalande 42735	^{h m s} 21 51 5.286	^s +3.1988	^s - .009	...	-10° 3' 37.58	+16.958	+ .24	...	5	1.79	3947
3042	6.6	Mayer 937	51 15.628	3.3087	.014	+ .001	-18 22 18.91	16.967	.25	+ .01	5	1.58	3949
3043	7.7*	Piazzi XXI. 333	51 32.622	3.3262	.015	...	-19 39 54.96	16.980	.25	...	5	1.97	3950
3044	7.0	Mayer 938	52 20.914	3.2695	.012	- .001	-15 35 55.70	17.017	.25	- .03	5	1.59	3951
3045	6.6	Lalande 42780	52 21.178	3.1847	.008	...	- 9 2 25.94	17.017	.24	...	5	1.35	3952
3046	8.3†	Lalande 42800	^{h m s} 21 52 55.044	^s +3.2293	^s - .010	...	-12 34 43.04	+17.043	+ .24	...	5	1.59	3953
3047	6.2	Bradley 2870	52 58.784	3.1450	.007	- .0032	- 5 53 56.06	17.046	.23	- .12	5	1.54	3954
3048	8.2†	Piazzi XXI. 350	54 23.837	3.1547	.007	...	- 6 45 8.07	17.111	.23	...	3	2.80	3957
3049	7.6	Lalande 42860	54 25.046	3.2049	.009	...	-10 47 24.91	17.112	.24	...	5	0.75	3958
3050	7.1	Lalande 42898	55 41.766	3.2380	.011	- .0035	-13 30 16.13	17.170	.24	- .113	5	1.32	3961†
3051	8.8†	W. B. XXI. 1246	^{h m s} 21 55 50.786	^s +3.2165	^s - .010	...	-11 49 25.28	+17.177	+ .23	...	5	1.78	3963
3052	8.0†	Lalande 42908	56 2.050	3.2542	.011	...	-14 48 22.86	17.185	.24	...	5	1.33	3965
3053	7.1	Lalande 42909	56 6.060	3.2707	.012	...	-16 5 33.72	17.188	.24	...	5	2.63	3966
3054	8.0†	Lalande 42928	56 30.950	3.1976	.009	...	-10 21 22.55	17.207	.23	...	5	1.59	3967
3055	6.4	Mayer 941	56 41.664	3.2999	.014	+ .0054	-18 23 0.57	17.215	.24	- .069	5	3.17	3968
3056	5.6	30 Aquarii	^{h m s} 21 58 0.876	^s +3.1556	^s - .007	+ .0010	- 7 0 20.47	+17.274	+ .23	+ .013	5	0.92	3969
3057	8.5†	B. D. - 8° 5789	58 15.732	3.1667	.008	...	- 7 56 33.64	17.285	.23	...	5	1.56	3970
3058	7.4	Piazzi XXI. 379	58 43.034	3.2343	.011	...	-13 30 11.84	17.305	.23	...	5	1.54	3971
3059	8.0†	O. A. 21843	58 45.360	3.2740	.012	...	-16 38 48.14	17.306	.23	...	5	1.82	3972
3060	7.2	Lalande 43019	59 13.657	3.1812	.008	.000	- 9 12 0.62	17.327	.23	- .063	6	2.80	3973†
3061	8.0†	Bradley 2886	^{h m s} 21 59 21.706	^s +3.1349	^s - .006	- .0034	- 5 19 28.97	+17.333	+ .22	+ .01	5	3.71	3974
3062	7.1	W. B. XXI. 1343	^{h m s} 22 0 46.676	^s 3.2550	^s .012	...	-15 22 57.49	17.395	.23	...	5	1.56	3975
3063	4.4	33 Aquarii	1 2.259	3.2420	.011	+ .0022	-14 21 17.44	17.406	.23	- .062	21: 23	2.44: 2.48	3977*
3064	7.6	Lalande 43097	1 54.770	3.3127	.015	...	-20 3 24.97	17.444	.23	...	5	1.79	3978
3065	7.0	Lalande 43104	1 58.466	3.1995	.009	...	-10 56 4.79	17.447	.22	...	5	3.34	3980
3066	7.8†	Lalande 43124	^{h m s} 22 2 27.242	^s +3.1449	^s - .007	...	- 6 19 1.63	+17.467	+ .22	...	5	2.62	3981
3067	7.8	Lalande 43125	2 45.884	3.2889	.014	...	-18 19 18.74	17.481	.23	...	5	1.36	3982
3068	7.4	B. D. - 17° 6451	2 59.312	3.2724	.013	...	-17 1 56.47	17.490	.23	...	5	1.55	3983
3069	7.8†	Lalande 43146	3 13.124	3.2120	.010	...	-12 6 8.11	17.500	.22	...	5	2.98	3984
3070	5.7	35 Aquarii	3 29.996	3.2964	.014	- .0022	-19 0 32.59	17.512	.23	+ .002	5	1.77	3986
3071	8.6†	W. B. XXII. 13	^{h m s} 22 4 13.034	^s +3.1781	^s - .008	...	- 9 17 26.59	+17.543	+ .22	...	5	2.59	3988
3072	6.6	Bradley 2904	4 13.248	3.1635	.008	+ .0047	- 8 1 36.38	17.543	.22	- .47	5: 6	1.80	3989
3073	8.7†	Lalande 43188	4 23.972	3.2528	.012	...	-15 36 45.86	17.550	.22	...	5	2.56	3990
3074	7.0	37 Aquarii	5 11.746	3.2006	.009	+ .0018	-11 13 45.67	17.584	.22	+ .047	5	1.34	3991
3075	5.4	38 Aquarii	5 16.756	3.2093	.010	+ .0008	-12 3 24.33	17.587	.22	+ .010	5	1.77	3992
3076	6.1	Bradley 2913	^{h m s} 22 5 20.940	^s +3.1257	^s - .006	- .0002	- 4 45 31.46	+17.590	+ .21	- .01	5	1.83	3993
3077	8.9†	W. B. XXII. 67	6 40.583	3.1324	.006	...	- 5 24 57.20	17.646	.21	...	3	0.76	3995
3078	6.2	39 Aquarii	7 2.246	3.2381	.011	- .0005	-14 41 10.87	17.660	.22	- .035	5	1.53	3996
3079	8.8†	Lalande 43288	7 5.476	3.2840	.014	...	-18 31 15.18	17.663	.22	...	5	1.57	3997
3080	8.5†	W. B. XXII. 80	7 19.424	3.1940	.009	...	-10 55 11.75	17.672	.21	...	5	2.79	3998

3050, 3060. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3081	7.4	Piazzi XXII. 14.....	^h 22 ^m 7 ^s 27.398	^s +3.1493	^s -0.007	^s ...	- 6° 57' 48.57	+17.678	+ .21	...	5	1.83	3999
3082	6.4	Bradley 2920.....	7 31.434	3.1298	.006	- .0047	- 5 12 50.22	17.680	.21	- .022	5	2.41	4000
3083	8.5†	B. D. - 13° 6130...	7 39.012	3.2236	.011	...	-13 31 8.45	17.686	.21	...	5	3.19	4002
3084	7.2	Lalande 43348.....	8 51.392	3.2960	.014	...	-19 44 35.94	17.735	.22	...	5	1.97	4003
3085	6.6	Lalande 43363.....	9 13.360	3.2540	.012	.0000	-16 18 17.76	17.750	.21	- .358	6	1.78	4004†
3086	9.2†	W. B. XXII. 148....	^h 22 ^m 10 ^s 26.263	^s +3.1387	^s -0.006	...	- 6 9 40.41	+17.800	+ .20	...	3	2.80	4007
3087	8.6†	Piazzi XXII. 38.....	10 50.218	3.2679	.013	...	-17 42 11.37	17.815	.21	...	5	2.21	4008
3088	7.2	Lalande 43446.....	11 25.192	3.2035	.010	...	-12 8 47.88	17.839	.21	...	5	2.96	4009
3089	5.5	42 Aquarii.....	11 26.808	3.2167	.010	- .0015	-13 19 48.09	17.840	.21	+ .005	5	2.96	4010
3090	9.7†	B. D. - 6° 5957....	11 32.995	3.1374	.006	...	- 6 5 59.57	17.844	.20	...	2	2.82	4011
3091	7.0	B. D. - 15° 6180....	^h 22 ^m 11 ^s 33.040	^s +3.2373	^s -0.012	...	-15 9 18.17	+17.844	+ .21	...	5	3.74	4012
3092	4.3	43 Aquarii.....	11 33.488	3.1610	.008	+ .0073	- 8 16 52.51	17.844	.20	- .019	11 : 12	2.79	4013*
3093	6.0	Bradley 2930.....	11 35.830	3.1746	.008	- .0012	- 9 32 18.53	17.846	.20	- .011	5	3.80	4014
3094	5.7	44 Aquarii.....	11 53.294	3.1349	.006	- .0019	- 5 53 11.60	17.857	.20	+ .042	5	3.76	4015
3095	8.0†	O. A. 22050.....	12 5.468	3.2770	.014	...	-18 39 41.22	17.865	.21	...	5	3.16	4016
3096	8.5†	Lalande 43488.....	^h 22 ^m 12 ^s 31.830	^s +3.1814	^s -0.009	...	-10 14 26.58	+17.883	+ .20	...	5 : 6	2.19 : 2.14	4017
3097	8.1†	W. B. XXII. 203....	13 1.207	3.1391	.006	...	- 6 20 31.92	17.902	.20	...	3	2.12	4019
3098	6.1	45 Aquarii.....	13 38.752	3.2193	.011	+ .0035	-13 48 20.12	17.927	.20	- .001	5	1.78	4020
3099	7.4	Lalande 43540.....	14 9.016	3.2567	.013	...	-17 12 12.95	17.946	.20	...	5	2.42	4021
3100	8.0†	Lalande 43554.....	14 37.434	3.1197	.006	...	- 4 34 2.66	17.965	.19	...	5	1.81	4022
3101	8.1†	Lalande 43560.....	^h 22 ^m 14 ^s 55.824	^s +3.2059	^s -0.010	...	-12 43 24.34	+17.977	+ .20	...	5	3.72	4023
3102	5.3	46 Aquarii.....	14 56.250	3.1588	.007	+ .0008	- 8 19 23.76	17.977	.20	- .008	5	2.78	4024*
3103	7.4	Lalande 43579.....	15 34.730	3.1683	.008	...	- 9 16 3.97	18.002	.20	...	5	1.82	4025
3104	7.5	Piazzi XXII. 68.....	16 9.818	3.1415	.007	...	- 6 44 46.75	18.024	.19	...	5	1.20	4026
3105	8.5	B. D. - 4° 5662....	16 51.083	3.1161	.005	...	- 4 18 21.31	18.050	.19	...	3	1.81	4027
3106	7.8†	Lalande 43624.....	^h 22 ^m 16 ^s 53.304	^s +3.1890	^s -0.009	...	-11 21 6.71	+18.052	+ .19	...	5	1.82	4028
3107	8.0†	W. B. XXII. 301....	17 26.244	3.1152	.005	...	- 4 14 28.49	18.073	.19	...	5	2.58	4029
3108	7.8	Lacaille 9113.....	17 36.737	3.3582	.019	+ .0322	-26 20 41.45	18.079	.20	- .172	3	1.41	4030†
3109	7.1	Lalande 43654.....	17 58.080	3.2314	.012	...	-15 27 6.65	18.093	.20	...	5	0.98	4031
3110	6.0	Piazzi XXII. 81.....	18 17.454	3.1499	.007	...	- 7 42 0.98	18.105	.19	...	5	1.81	4032
3111	7.3	Piazzi XXII. 83.....	^h 22 ^m 18 ^s 50.242	^s +3.1802	^s -0.009	...	-10 42 11.72	+18.125	+ .19	...	5	1.60	4033
3112	5.9	50 Aquarii.....	19 5.717	3.2147	.011	+ .0017	-14 2 10.44	18.135	.19	+ .017	12	2.72	4035
3113	8.0†	Lalande 43700.....	19 8.420	3.2584	.013	...	-18 5 57.93	18.137	.20	...	5	1.81	4036
3114	7.3	Lalande 43777.....	20 54.078	3.1281	.006	...	- 5 41 9.38	18.202	.18	...	5	0.98	4037
3115	7.0	Lalande 43785.....	21 4.360	3.1045	.005	...	- 3 17 42.69	18.208	.18	...	5	1.79	4038
3116	7.0	54 Aquarii.....	^h 22 ^m 21 ^s 22.964	^s +3.1881	^s -0.009	+ .0022	-11 44 11.86	+18.219	+ .19	+ .008	5	1.57	4039
3117	8.5†	Lalande 43794.....	21 30.410	3.1892	.009	...	-11 51 29.98	18.224	.19	...	5	2.58	4040
3118	7.8†	Lalande 43800.....	21 31.266	3.1607	.008	...	- 9 1 10.60	18.224	.18	...	5	1.84	4041
3119	8.0†	Lalande 43844.....	22 38.364	3.1342	.006	...	- 6 24 56.19	18.265	.18	...	5	1.01	4042
3120	8.5†	Lalande 43862.....	23 30.302	3.2358	.012	...	-16 39 46.34	18.296	.19	...	5	1.78	4043

3085, 3108. Proper Motion from *Oincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3121	8.7*	Piazzi XXII. 114....	^h 22 ^m 24 ^s 1.776	^s +3.1698	^s -0.008	...	-10° 10' 26".74	+18".315	+ ".18	...	5	2.21	4044
3122	8.5†	W. B. XXII. 455...	24 10.410	3.1078	.005	...	- 3 44 22.21	18.320	.18	...	3	1.48	4045
3123	9.2†	B. D. - 4° 5683....	24 12.184	3.1169	.005	...	- 4 41 58.41	18.321	.18	...	5	2.83	4046
3124	6.2	Bradley 2961.....	24 40.736	3.2012	.010	+ .0098	-13 25 37.52	18.338	.18	+ .01	5	1.23	4047
3125	6.1	56 Aquarii.....	24 55.838	3.2176	.011	- .0003	-15 5 49.66	18.347	.18	- .039	5	2.00	4048
3126	7.8†	Lalande 43938.....	22 25 15.234	+3.1224	-0.006	...	- 5 19 49.55	+18.357	+ .18	...	5	3.18	4051
3127	7.3	Lalande 43936.....	25 17.366	3.1537	.007	...	- 8 37 37.21	18.359	.18	...	5	1.99	4052
3128	4.8	57 Aquarii.....	25 21.356	3.1784	.009	.0000	-11 11 23.10	18.362	.18	- .025	25 : 27	2.27 : 2.31	4053*
3129	6.1	Lalande 43974.....	26 3.704	3.1383	.006	+ .005	- 7 3 55.68	18.386	.18	- .10	5	2.82	4054†
3130	6.3	Lalande 43981.....	26 8.240	3.1041	.005	...	- 3 25 24.60	18.389	.17	...	5	2.01	4055
3131	6.4	58 Aquarii.....	22 26 23.280	+3.1795	-0.009	+ .0030	-11 25 5.02	+18.397	+ .18	- .023	3	1.14	4056
3132	7.0	Lalande 44019.....	27 18.687	3.1367	.006	+ .0172	- 6 58 57.08	18.430	.17	+ .015	3	0.75	4057†
3133	6.8	Piazzi XXII. 142....	28 50.598	3.1647	.008	...	-10 7 27.13	18.482	.17	...	5	0.84	4058
3134	8.5†	Lalande 44072.....	29 5.626	3.2168	.011	...	-15 38 3.39	18.491	.17	...	5	0.97	4059
3135	8.4†	B. D. - 3° 5472....	30 10.722	3.0970	.004	...	- 2 46 25.83	18.527	.17	...	5	1.80	4061
3136	6.7	Lalande 44142.....	22 30 44.308	+3.2266	-0.012	...	-16 54 18.25	+18.545	+ .17	...	5	0.84	4062
3137	7.7†	Lalande 44167.....	31 47.968	3.1812	.009	...	-12 14 56.32	18.581	.17	...	5	1.17	4064
3138	7.8†	Lalande 44188.....	32 5.292	3.1300	.006	...	- 6 35 7.28	18.590	.16	...	5	1.19	4065
3139	8.5†	Lalande 44199.....	32 34.312	3.1953	.010	...	-13 53 22.31	18.606	.17	...	5	2.43	4067
3140	5.2	63 Aquarii.....	32 34.668	3.1136	.005	- .0049	- 4 44 38.15	18.606	.16	- .113	18 : 19	2.15 : 2.18	4068*
3141	6.4	Lalande 44223.....	22 33 7.394	+3.1455	-0.007	...	- 8 25 2.02	+18.623	+ .16	...	5	2.01	4069
3142	7.9†	Lalande 44225.....	33 14.652	3.2008	.011	...	-14 35 13.25	18.628	.16	...	5	1.98	4071
3143	7.2	64 Aquarii.....	34 0.324	3.1635	.008	- .0040	-10 32 53.39	18.652	.16	- .003	5	1.82	4073
3144	6.8	Lalande 44349.....	36 7.882	3.1805	.009	...	-12 45 6.83	18.719	.16	...	5	1.59	4075
3145†	8.5†	B. D. - 3° 5487....	36 28.520	3.0979	.004	...	- 3 4 23.26	18.730	.15	...	3	1.47	4076
3146	7.0	Lalande 44382.....	22 36 53.860	+3.1190	-0.005	...	- 5 37 24.64	+18.743	+ .15	...	5	2.42	4077
3147	9.0†	W. B. XXII. 744....	37 26.957	3.0934	.004	...	- 2 34 4.68	18.760	.15	...	3	2.84	4078
3148	8.2†	W. B. XXII. 752....	37 44.940	3.1523	.008	...	- 9 40 37.28	18.770	.15	...	5	2.80	4079
3149	8.1†	Lalande 44423.....	37 47.816	3.0986	.004	...	- 3 12 22.29	18.771	.15	...	5	3.74	4080
3150	6.4	67 Aquarii.....	38 0.964	3.1338	.006	- .0029	- 7 29 11.49	18.777	.15	+ .023	12	2.38	4081†
3151†	8.0†	Lalande 44435.....	22 38 11.102	+3.2120	-0.012	...	-16 39 39.54	+18.783	+ .16	...	5	3.39	4082
3152	7.0	O. A. 22377.....	39 1.968	3.1979	.011	...	-15 12 2.34	18.809	.15	...	5	2.40	4083
3153	8.1†	Lalande 44501.....	40 8.985	3.1821	.010	...	-13 31 53.75	18.842	.15	...	6	0.82	4084
3154	8.5†	W. B. XXII. 814...	40 50.728	3.1690	.009	...	-12 3 53.18	18.863	.15	...	5	1.41	4086
3155	6.7	Lalande 44525.....	40 58.062	3.1658	.009	...	-11 41 29.91	18.867	.15	...	5	1.60	4087
3156	7.5	Lalande 44559.....	22 42 2.406	+3.0975	-0.004	...	- 3 14 8.31	+18.898	+ .14	...	5	1.03	4089
3157	8.2†	Lalande 44564.....	42 9.288	3.1290	.006	...	- 7 15 27.41	18.901	.14	...	5	1.62	4090
3158	7.6	Lalande 44572.....	42 20.814	3.0903	.003	...	- 2 18 56.56	18.907	.14	...	5	1.82	4091
3159	5.6	69 Aquarii.....	42 24.220	3.1878	.010	.0000	-14 35 0.79	18.909	.15	- .019	5	1.22	4092
3160	8.4†	B. D. - 6° 6074....	43 5.898	3.1208	.005	...	- 6 17 42.97	18.929	.14	...	5	2.84	4093

3145. 8.8, 10.0 2".0 6° 18.98'.
3151. 8.7, 8.8 1.6 103 1900.7.

3129. Proper Motion from Bossert.
3132. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900.0.	Ledger 1900.0.
3161	8.0†	W. B. XXII. 855...	^h 22 ^m 43 ^s 8.812	+3.1391	-.007	...	- 8° 38' 24.80	+18.930	+ .14	...	5	2.78	4094
3162	6.1	70 Aquarii.....	43 14.492	3.1583	.008	+ .0022	-11 5 1.25	18.933	.14	+ .027	5	2.20	4095
3163	8.4†	Lalande 44612.....	43 19.614	3.1115	.005	...	- 5 6 12.44	18.935	.14	...	5	3.73	4096
3164	4.4	71 Aquarii.....	44 17.894	3.1814	.010	- .0008	-14 7 13.49	18.963	.14	- .033	22 : 24	1.94 : 2.02	4097*
3165	8.4†	W. B. XXII. 899....	45 16.882	3.1729	.009	...	-13 13 12.29	18.991	.14	...	5	1.22	4099
3166	7.3	Lalande 44670.....	22 45 34.420	+3.0805	-.003	...	- 1 6 27.62	+18.999	+ .14	...	5	1.81	4100
3167	8.6†	Lalande 44686.....	45 57.952	3.1460	.007	...	- 9 51 16.76	19.010	.14	...	5	1.63	4101
3168	3.8	73 Aquarii.....	47 23.889	3.1317	.006	+ .0002	- 8 6 42.08	19.049	.13	+ .035	24 : 28	2.35 : 2.34	4102*
3169	8.3†	C. P. D. - 30° 6680	47 25.560	3.3200	.022	...	-30 45 15.22	19.050	.14	...	3	0.82	4103
3170	6.7	Lalande 44734.....	47 30.112	3.1500	.008	+ .0143	-10 35 24.91	19.052	.14	+ .026	5	1.58	4104†
3171	7.8†	Lalande 44742.....	22 47 30.480	+3.0952	-.004	...	- 3 9 26.02	+19.053	+ .13	...	5	2.40	4105
3172	5.8	74 Aquarii.....	48 12.830	3.1609	.008	+ .0002	-12 8 53.72	19.072	.13	- .012	5	2.85	4106
3173	6.8	Lalande 44763.....	48 16.266	3.1193	.005	...	- 6 31 6.25	19.073	.13	...	5	3.01	4107
3174	8.5†	C. Z. XXII. 1419...	48 40.960	3.3190	.022	...	-31 5 22.96	19.084	.14	...	3	0.85	4108
3175	7.2	75 Aquarii.....	48 50.676	3.1645	.009	+ .0010	-12 43 16.79	19.089	.13	- .035	5	1.82	4109
3176*	8.4	Lalande 44790.....	22 49 9.690	+3.0835	-.003	...	- 1 34 49.79	+19.097	+ .13	...	5	1.82	4110
3177	6.3	78 Aquarii.....	49 21.716	3.1274	.006	- .0039	- 7 44 10.22	19.102	.13	- .034	5	2.01	4111
3178	6.7	Lacaille 9299.....	49 30.707	3.2431	.015	+ .0041	-22 53 45.77	19.106	.14	- .203	3	2.43	4113†
3179	8.9†	C. G. A. 31171.....	49 49.750	3.3065	.021	...	-30 8 40.90	19.115	.14	...	3	1.49	4114
3180	8.4†	Lalande 44849.....	50 53.068	3.1719	.009	...	-14 5 17.72	19.142	.13	...	5	1.81	4116
3181	8.1†	O. A. 22502.....	22 51 12.472	+3.1820	-.010	...	-15 31 23.78	+19.150	+ .13	...	5	1.63	4117
3182	8.6†	Lalande 44857.....	51 34.798	3.1473	.008	...	-10 47 47.93	19.160	.13	...	5	2.80	4118
3183	9.7†	B. D. - 2° 5856....	51 56.193	3.0886	.003	...	- 2 23 13.34	19.169	.12	...	3	3.13	4120
3184	6.6	Lalande 44872.....	51 56.980	3.0981	.004	...	- 3 46 48.00	19.170	.12	...	5	1.80	4121
3185	6.3	Bradley 3033.....	52 6.630	3.1088	.004	- .0025	- 5 20 40.31	19.174	.12	+ .014	5	2.64	4122
3186	1.3	24 Piscis Australis.....	22 52 7.585	+3.2989	-.021	+ .0252	-30 9 8.08	+19.174	+ .13	- .171	7	1.12	4123*
3187	9.1†	W. B. XXII. 1047..	52 52.124	3.1520	.008	...	-11 40 0.10	19.193	.12	...	5	2.96	4127
3188	8.7†	W. B. XXII. 1049..	52 57.840	3.1142	.005	...	- 6 13 14.19	19.195	.12	...	6	3.27	4128
3189	6.2	W. B. XXII. 1052...	53 6.464	3.0920	.003	...	- 2 55 48.19	19.199	.12	...	5	1.83	4129
3190	6.4	Lalande 44904.....	53 14.620	3.0853	.003	...	- 1 56 42.33	19.203	.12	...	3	1.49	4130
3191	7.3	Lalande 44930.....	22 53 44.763	+3.0780	-.002	...	- 0 51 6.50	+19.215	+ .12	...	3	2.76	4132
3192	8.6†	Lalande 44927.....	53 46.778	3.1309	.006	...	- 8 44 55.95	19.216	.12	...	5	2.01	4133
3193	6.3	Piazzi XXII. 264....	54 19.738	3.1637	.009	...	-13 36 24.31	19.230	.12	...	5	1.63	4135
3194	6.8	Mayer 973.....	55 6.590	3.1341	.007	.0000	- 9 24 58.53	19.249	.12	- .03	5	2.02	4137
3195	8.5*	Lalande 44970.....	55 18.773	3.2500	.017	...	-25 31 35.68	19.254	.12	...	3	1.12	4138
3196	6.3	3 Piscium.....	22 55 30.232	+3.0746	-.002	+ .0020	- 0 21 3.98	+19.258	+ .12	+ .019	12	2.57	4140
3197	5.8	Lacaille 9333.....	55 51.863	3.2802	.020	...	-29 23 24.93	19.267	.12	...	3	0.85	4412
3198	7.6†	Lalande 45008.....	55 54.470	3.1379	.007	...	-10 5 18.54	19.268	.12	...	5	2.42	4143
3199	8.5*	C. Z. XXII. 1609...	55 58.207	3.2821	.020	...	-29 39 23.21	19.269	.12	...	3	0.82	4144
3200	7.3	Lalande 45015.....	56 8.060	3.1695	.010	...	-14 48 27.13	19.273	.12	...	5	3.73	4145

3176. B. D., 7.5 mag.

3170. Proper Motion from Cincinnati Pub., 13.
3178. Proper Motion from Cincinnati Pub., 14.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3201	6.1	Piazzi XXII. 279....	^{h m s} 22 56 21.170	+3.1060	-.004	...	- 5° 14' 56".37	+19.279	+ ".12	...	5	2.39	4146
3202	7.8†	Lalande 45036	56 46.210	3.0928	.003	...	- 3 13 23.32	19.289	.11	...	5	2.85	4147
3203	8.0†	Lalande 45050	57 17.838	3.1478	.008	...	-11 48 11.10	19.301	.12	...	5	1.99	4148
3204	6.4	82 Aquarii	57 21.046	3.1173	.005	-.0014	- 7 6 39.23	19.302	.11	-.032	5	2.21	4149
3205	9.2†	B. D. -19° 6391 ...	57 37.650	3.1972	.012	...	-19 10 39.71	19.309	.12	...	2	1.83	4150
3206	7.7†	Lalande 45080	^{h m s} 22 58 1.014	+3.0783	-.002	-.0055	- 0 57 47.53	+19.318	+ ".11	-.135	5	2.66	4152†
3207	6.9	Lalande 45102	58 44.762	3.1053	.004	...	- 5 20 4.78	19.335	.11	...	5	2.39	4153
3208	4.6	4 Piscium	^{h m s} 58 47.277	3.0521	.000	+ .0008	+ 3 16 53.79	19.336	.11	-.006	13	2.03	4154*
3209	9.1†	Lalande 45121	59 9.512	3.0872	.003	...	- 2 26 21.11	19.345	.11	...	5	3.02	4156
3210	8.5†	W. B. XXII. 1204..	59 15.410	3.1513	.008	...	-12 43 4.10	19.347	.11	...	5	2.19	4157
3211	5.4	83 Aquarii	^{h m s} 22 59 56.944	+3.1224	-.006	+ .0066	- 8 14 0.74	+19.362	+ ".11	+ .022	5	3.55	4160
3212	6.4	Lalande 45163	23 0 10.658	3.0677	.001	...	+ 0 46 5.09	19.368	.11	...	5	2.64	4161
3213	7.1	Lalande 45169	0 40.014	3.1387	.007	...	-10 58 38.37	19.379	.11	...	5	1.80	4163
3214	8.4†	Lalande 45197	1 44.172	3.1516	.009	.000	-13 16 4.08	19.403	.11	-.060	5	1.82	4168†
3215	8.0†	Lalande 45207	2 4.478	3.1273	.006	...	- 9 21 17.56	19.410	.11	...	5	3.62	4170
3216	7.7*	Lalande 45213	^{h m s} 23 2 10.210	+3.1453	-.008	...	-12 20 49.19	+19.412	+ ".11	...	5	2.20	4171
3217	7.4	Lalande 45233	2 38.008	3.0771	.002	...	- 0 50 13.11	19.422	.10	...	5	1.62	4173
3218	8.7†	B. D. -6° 6147	2 39.922	3.1085	.004	...	- 6 14 19.05	19.423	.10	...	5	3.19	4174
3219	5.6	5 Piscium	^{h m s} 3 33.606	3.0633	.000	+ .0075	+ 1 35 0.12	19.442	.10	+ .119	12	1.83	4175
3220	8.0†	Lalande 45297	3 55.136	3.0892	.003	...	- 2 59 40.20	19.450	.10	...	5	2.21	4176
3221	9.0†	B. D. -19° 6410....	^{h m s} 23 4 7.075	+3.1844	-.012	...	-19 10 7.53	+19.454	+ ".10	...	2	0.84	4179
3222†	8.7†	W. B. XXIII. 13....	4 27.166	3.0976	.003	...	- 4 30 14.77	19.461	.10	...	5	2.42	4180
3223	7.2	Lalande 45326	5 5.550	3.1525	.009	...	-14 11 15.78	19.474	.10	...	5	1.21	4182
3224	7.7†	W. B. XXIII. 29....	5 12.084	3.1188	.006	+ .003	- 8 21 3.09	19.477	.10	-.15	5:6	2.02:1.99	4183†
3225	7.0	Mayer 984	5 28.898	3.1082	.004	-.001	- 6 30 10.74	19.482	.10	+ .02	5	1.24	4184
3226	9.0†	W. B. XXIII. 49....	^{h m s} 23 6 15.934	+3.1329	-.007	...	-11 3 4.96	+19.498	+ ".10	...	5	1.41	4185
3227	10.0†	O. A. 22662	6 28.965	3.2020	.015	...	-22 45 40.41	19.503	.10	...	2	3.72	4186
3228	9.2†	W. B. XXIII. 54....	6 33.368	3.0813	.002	...	- 1 40 39.64	19.504	.10	...	5	2.81	4187
3229	7.5	Lalande 45379	^{h m s} 6 45.718	3.1404	.008	...	-12 28 34.20	19.509	.10	...	5	2.23	4190
3230	8.0	Lalande 45379	6 45.972	3.1404	.008	...	-12 28 34.79	19.509	.10	...	5:6	2.83:2.66	4191
3231	7.1	Piazzi XXIII. 12....	^{h m s} 23 7 45.950	+3.1262	-.006	...	-10 6 50.29	+19.528	+ ".10	...	5	0.85	4193
3232	7.7†	Lalande 45420	7 52.762	3.0750	.001	...	- 0 30 46.68	19.531	.09	...	5	1.81	4195
3233	7.2	Piazzi XXIII. 17....	8 57.710	3.0887	.003	...	- 3 10 43.94	19.552	.09	...	5	2.64	4196
3234	9.0†	C. Z. XXIII. 202....	9 3.807	3.1969	.014	...	-22 55 16.90	19.554	.09	...	3	2.81	4197
3235	4.6	90 Aquarii	^{h m s} 9 8.626	3.1063	.004	+ .0015	- 6 35 17.76	19.555	.09	-.194	17:18	2.53:2.55	4198*
3236	9.2†	B. D. +0° 4980....	^{h m s} 23 9 13.640	+3.0688	-.001	...	+ 0 40 54.63	+19.557	+ ".09	...	3	1.48	4199
3237†	6.4	Lalande 45490	9 27.454	3.1303	.007	...	-11 13 56.54	19.561	.09	...	5	2.04	4201
3238	7.5	Lalande 45504	10 7.930	3.1342	.008	...	-12 6 35.88	19.574	.09	...	5	2.41	4202
3239	8.5†	W. B. XXIII. 136...	10 10.482	3.0979	.003	...	- 5 4 41.87	19.575	.09	...	5	3.76	4203
3240	5.5	Lalande 45521	10 25.158	3.0926	.003	...	- 4 2 29.40	19.580	.09	...	5	2.62	4204

3222. 8.8, 11.0 1" 4 128° 1902°.

3237. 6.4, 11.0 3' 5 257 18987.

3206. Proper Motion from *Cincinnati Pub.*, 13.

3214, 3224. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Procession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3241*	7.7†	Piazzi XXIII. 21.....	^{h m s} 23 10 32.108	^s +3.0685	^s .000	^s + .0104	+ 0° 45' 51".01	+ 19".582	+ ".09	- ".036	5	3.21	4205†
3242	7.2	Lalande 45524	10 38.230	3.1421	-.008	...	-13 43 43.91	19.584	.09	...	5	3.18	4206
3243	4.5	91 Aquarii .....ψ ¹	10 39.256	3.1208	.006	+ .0250	- 9 37 57.34	19.584	.09	- .005	5	3.40	4207*
3244	7.1	Lalande 45534	10 49.972	3.0821	.002	...	- 1 58 9.04	19.587	.09	...	5	3.16	4209
3245	5.3	92 Aquarii .....χ	11 39.958	3.1130	.005	- .0031	- 8 16 19.23	19.603	.09	- .003	5	3.00	4212
3246	3.9	6 Piscium.....γ	23 11 59.044	+3.0591	+ .001	+ .0502	+ 2 44 9.17	+ 19.608	+ .09	+ .021	23	3.26	4213*
3247	6.4	Lalande 45582	12 26.886	3.1321	-.007	...	-12 15 33.45	19.617	.09	...	5	2.57	4216
3248	4.6	93 Aquarii .....ψ ²	12 42.414	3.1193	-.006	+ .0004	- 9 43 42.54	19.621	.08	- .015	5	3.74	4217
3249	9.1†	W. B. XXIII. 212...	13 12.966	3.0724	-.001	...	- 0 1 17.78	19.631	.08	...	5	3.80	4220
3250	8.7†	Lalande 45617	13 18.676	3.0838	-.002	...	- 2 26 33.43	19.632	.08	...	5	3.39	4221
3251†	5.2	95 Aquarii .....ψ ³	23 13 45.607	+3.1203	-.006	+ .0027	-10 9 26.91	+ 19.640	+ .08	- .001	12	3.28	4222*
3252	7.1	Lalande 45633.....	13 49.104	3.1327	.008	...	-12 43 2.03	19.641	.08	...	5	2.01	4223
3253	5.7	96 Aquarii .....ψ ⁴	14 12.890	3.0986	.004	+ .0111	- 5 40 15.17	19.648	.08	+ .002	5	2.01	4224
3254	6.5	Lalande 45680	15 4.822	3.0926	.003	+ .019	- 4 27 48.94	19.663	.08	- .14	5	2.64	4225†
3255	6.3	Lalande 45698	15 31.544	3.1015	.004	...	- 6 27 14.37	19.670	.08	...	5	2.01	4226
3256	7.8	Lalande 45708	23 15 40.470	+3.1226	-.007	...	-11 4 47.65	+ 19.673	+ .08	...	5	3.04	4228
3257	7.7†	Lalande 45712	15 44.093	3.0637	.000	...	+ 1 54 31.94	19.674	.08	...	3	1.82	4229
3258	7.4	Lalande 45721	16 0.482	3.1137	.005	...	- 9 13 19.18	19.679	.08	...	5	2.44	4230
3259	8.0†	B. D. -7° 5993	16 4.294	3.1061	.005	...	- 7 34 15.00	19.680	.08	...	5	3.78	4231
3260	8.2†	Lalande 45732	16 4.754	3.0650	.000	...	+ 1 39 0.41	19.680	.08	...	5	3.79	4232
3261	8.0†	Lalande 45744.....	23 16 38.792	+3.1303	-.008	...	-12 59 49.13	+ 19.689	+ .08	...	5	3.01	4233
3262	7.5	Lalande 45745	16 39.338	3.1180	-.006	...	-10 18 33.47	19.689	.08	...	5	1.23	4234
3263	7.8†	Lalande 45781	17 46.706	3.0626	+ .001	...	+ 2 16 12.72	19.708	.07	...	5	1.44	4237
3264	8.0*	Piazzi XXIII. 64	17 50.010	3.1212	-.007	+ .0270	-11 19 11.43	19.708	.07	+ .213	5	2.80	4238†
3265	7.8	Lalande 45789	18 6.072	3.1148	-.006	...	- 9 56 0.47	19.712	.07	...	5	2.24	4239
3266	8.5†	Lalande 45795	23 18 14.260	+3.0882	-.002	...	- 3 45 48.97	+ 19.715	+ .07	...	5	3.57	4240
3267	6.4	Mayer 992.....	18 24.124	3.0734	-.001	+ .002	- 0 15 28.23	19.717	.07	+ .02	5	1.84	4241
3268	8.5†	B. D. -1° 4427.....	18 35.986	3.0783	-.001	...	- 1 25 52.71	19.721	.07	...	5	2.19	4242
3269	7.8†	Lalande 45810	18 54.920	3.1062	-.005	...	- 8 5 58.63	19.726	.07	...	5	2.81	4243
3270	6.7	W. B. XXIII. 335...	19 10.472	3.0592	+ .001	...	+ 3 10 1.78	19.729	.07	...	5	2.03	4245
3271	9.3†	B. D. -5° 5985.....	23 19 38.572	+3.0952	-.003	...	- 5 35 42.25	+ 19.737	+ .07	...	5	2.63	4246
3272†	8.7†	O. A. 22832	20 43.640	3.1693	.014	...	-23 4 7.77	19.753	.07	...	3	2.78	4248
3273	7.3	Lalande 45877	21 24.106	3.1004	.004	...	- 7 9 26.00	19.763	.07	...	5	1.23	4249
3274	8.5†	Lalande 45876	21 24.990	3.1141	.006	...	-10 35 2.73	19.763	.07	...	5	3.01	4250
3275	8.6†	Lalande 45880	21 29.464	3.0949	.003	...	- 5 46 57.78	19.765	.07	...	5	3.23	4251
3276	6.8	Lalande 45894	23 21 37.112	+3.0648	+ .001	...	+ 1 55 40.19	+ 19.766	+ .07	...	5	3.59	4252
3277	4.9	8 Piscium	21 48.392	3.0696	.000	+ .0056	+ 0 42 29.06	19.769	.07	- .093	18:19	2.05 : 2.04	4253*
3278	9.0†	B. D. -21° 6422....	21 55.980	3.1584	-.012	...	-21 18 8.08	19.771	.07	...	2	2.82	4254
3279	7.6	Lalande 45903	22 5.258	3.0845	-.002	+ .0104	- 3 11 5.55	19.773	.07	- .093	5	3.59	4255†
3280	6.5	Piazzi XXIII. 90....	22 52.984	3.1181	-.007	...	-11 59 59.08	19.785	.07	...	5:6	2.03 : 2.00	4257

3241. H. C. O., XLV., 6.8 mag.
 3251. 5.2, 11.8 1" 2 219" 1890.6.
 3272. 8.8, 11.5 1' 3 53 1897.7.

3241, 3264. Proper Motion from *Cincinnati Pub.*, 13.
 3254. Proper Motion from *Cincinnati Pub.*, 12.
 3279. Proper Motion from *Cincinnati Pub.*, 14.

No.	Mag.	Name.	Mean R. A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3281	8.8†	B. D. — 8° 6118	^{h m s} 23 23 46.596	^s +3.1017	^s -0.004	^s ...	- 7° 57' 9".71	+19.797	+ .06	...	5	1.04	4259
3282	6.3	Lalande 45965.....	23 50.298	3.1086	.005	...	- 9 48 59.05	19.798	.06	...	5	2.84	4260
3283	6.6	11 Piscium	24 18.992	3.0808	.001	- .0034	- 2 20 29.73	19.804	.06	+ .008	5	1.82	4261
3284	6.4	Mayer 997	24 21.938	3.0907	.003	+ .010	- 5 4 39.28	19.805	.06	- .21	5	2.27	4262
3285	7.4	12 Piscium	24 22.582	3.0780	.001	- .0023	- 1 35 10.08	19.805	.06	- .002	5	3.74	4263
3286	8.2*	Lalande 45990.....	23 24 48.990	+3.1599	-0.014	...	-23 12 36.48	+19.811	+ .06	...	3	2.78	4264
3287	7.5	Lalande 46022.....	25 33.416	3.0712	.000	...	+ 0 19 34.47	19.821	.06	...	5	1.83	4265
3288	6.4	Lalande 46034... ..	25 51.696	3.0961	-0.004	...	- 6 50 19.90	19.825	.06	...	5	1.04	4266
3289	7.1	Lalande 46045.....	25 59.394	3.0660	+0.001	...	+ 1 48 47.55	19.826	.06	...	5	2.65	4267
3290	8.8†	W. B. XXIII. 483...	26 36.050	3.1026	-0.005	...	- 8 52 48.34	19.834	.06	...	5	2.01	4268
3291	6.7	Lalande 46090.....	23 27 14.948	+3.1112	-0.006	...	-11 33 3.57	+19.842	+ .06	...	5	1.81	4269
3292	7.0	Lalande 46117.....	27 46.980	3.0840	-0.002	...	- 3 34 7.04	19.849	.06	...	5	1.45	4271
3293	8.4†	Lalande 46122.....	27 48.068	3.0630	+0.002	...	+ 2 49 46.63	19.849	.05	...	5	2.84	4272
3294	9.2†	W. B. XXIII. 517...	27 58.207	3.0617	+0.002	...	+ 3 15 40.38	19.851	.05	...	3	0.85	4273
3295	7.0	Lalande 46137.....	28 19.586	3.0882	-0.003	...	- 4 57 12.34	19.855	.05	...	5	2.39	4274
3296	7.8†	Lalande 46142.....	23 28 33.304	+3.0812	-0.001	...	- 2 47 46.90	+19.858	+ .05	...	5	2.26	4275
3297	5.9	14 Piscium	29 0.532	3.0780	-0.001	+ .0073	- 1 47 59.18	19.864	.05	- .005	5	1.60	4276*
3298	6.8	Lalande 46169	29 18.564	3.0569	+0.003	...	+ 4 55 4.38	19.867	.05	...	5	2.25	4277
3299	7.3	W. B. XXIII. 571...	30 17.162	3.1062	-0.006	...	-11 6 28.00	19.879	.05	...	5	1.24	4279
3300	6.6	15 Piscium	30 21.804	3.0700	+0.001	- .0049	+ 0 45 38.81	19.880	.05	- .031	5	2.85	4280
3301	6.5	Mayer 1003	23 30 22.557	+3.0966	-0.004	- .0020	- 8 1 4.43	+19.880	+ .05	+ .028	12	2.32	4281†
3302	9.1†	Piazzi XXIII. 129...	30 37.842	3.0912	-0.003	...	- 6 18 5.87	19.882	.05	...	5	3.81	4282
3303	7.3	Lalande 46229.....	30 50.548	3.1001	-0.005	...	- 9 19 5.88	19.885	.05	...	5	2.80	4283
3304	8.0†	W. B. XXIII. 589...	30 59.130	3.0646	+0.002	...	+ 2 35 57.90	19.886	.05	...	5	3.59	4284
3305	5.7	16 Piscium	31 17.066	3.0678	+0.001	- .0091	+ 1 32 50.24	19.890	.05	+ .061	5	2.19	4285
3306	8.7†	B. D. — 4° 5917.....	23 33 2.202	+3.0841	-0.002	...	- 4 18 46.69	+19.908	+ .04	...	5	1.61	4288
3307	6.8	Lalande 46296.....	33 2.592	3.0976	-0.005	...	- 9 10 51.08	19.908	.04	...	5	0.84	4289
3308	8.8†	B. D. — 1° 4469	34 37.094	3.0756	.000	...	- 1 17 39.56	19.924	.04	...	5	3.04	4290
3309	7.8	Lalande 46349.....	34 41.944	3.0880	-0.003	...	- 6 6 0.96	19.925	.04	...	5	2.23	4291
3310	4.3	17 Piscium.....	34 48.446	3.0593	+0.003	+ .0246	+ 5 5 2.28	19.926	.04	- .436	23. 24	2.48 : 2.46	4292*
3311	8.0†	Piazzi XXIII. 147...	23 35 11.698	+3.0616	+0.003	...	+ 4 15 5.92	+19.930	+ .04	...	5	2.81	4293
3312†	7.7	Lalande 46375.....	35 33.428	3.0726	.000	...	- 0 8 16.32	19.933	.04	...	5	1.22	4294
3313	7.1	Lalande 46380.....	35 39.066	3.0934	-0.004	...	- 8 28 2.64	19.934	.04	...	5	3.04	4295
3314	9.5†	Lalande 46386.....	35 44.288	3.0647	+0.002	...	+ 3 4 23.16	19.934	.04	...	5	3.83	4296
3315	8.4†	Lalande 46401.....	36 1.204	3.0895	-0.003	...	- 7 1 54.05	19.937	.04	...	5	3.59	4297
3316	9.0†	Lalande 46403.....	23 36 5.494	+3.0804	-0.001	...	- 3 24 47.31	+19.938	+ .04	...	5	3.82	4298
3317	7.9†	Lalande 46406.....	36 10.960	3.0677	+0.002	...	+ 1 54 49.82	19.939	.04	...	3	1.85	4299
3318	4.6	18 Piscium	36 56.597	3.0695	+0.001	- .0092	+ 1 13 46.48	19.946	.04	- .154	15 : 16	2.84	4300*
3319	8.6†	Lalande 46453.....	37 13.742	3.0771	.000	...	- 2 3 18.66	19.948	.04	...	5	1.43	4302
3320	7.2	Lalande 46518.....	39 24.508	3.0801	-0.001	...	- 3 43 47.38	19.966	.03	...	5	1.43	4304

3312. 7.7, 12.0 3" 7 168° 1891.8.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3321	9.0†	B. D. — 5° 6041.....	23 39 26.398	+3.0839	— .002	...	— 5 33 44.42	+19.966	+ .03	...	5	3.41	4305
3322	8.6†	Lalande 46527.....	39 38.798	3.0879	— .003	...	— 7 29 28.60	19.968	.03	...	5	3.39	4306
3323	6.9	Mayer 1008	39 42.690	3.0586	+ .004	.000	+ 6 38 12.49	19.968	.03	— .03	5	1.84	4307
3324	7.3	Lalande 46532.....	39 52.498	3.0748	.000	...	— 1 12 56.63	19.970	.03	...	5	3.05	4308
3325	5.4	19 Piscium.....	41 16.888	3.0667	+ .002	— .0034	+ 2 55 54.93	19.980	.03	— .020	5	1.62	4310*
3326	8.0*	Piazzi XXIII. 183...	23 41 27.426	+3.0723	+ .001	...	— 0 1 28.64	+19.981	+ .03	...	5	1.66	4311
3327	7.5	Lalande 46609.....	42 30.828	3.0812	— .002	...	— 5 1 3.39	19.989	.03	...	5	2.85	4312
3328	8.1†	W. B. XXIII. 818...	42 38.120	3.0658	+ .003	...	+ 3 40 27.70	19.989	.03	...	5	3.77	4313
3329	5.6	20 Piscium.....	42 48.110	3.0781	— .001	+ .0048	— 3 19 2.84	19.990	.03	+ .003	12	2.74	4314
3330	6.3	Mayer 1012.....	43 24.140	3.0841	— .003	— .002	— 6 56 8.73	19.994	.02	— .02	5	1.44	4317
3331*	7.7†	Mayer 1013	23 43 42.188	+3.0695	+ .002	— .001	+ 1 39 34.16	+19.996	+ .02	— .02	5	2.66	4318
3332	5.6	21 Piscium.....	44 20.224	3.0715	+ .001	— .0016	+ 0 31 15.12	20.000	.02	— .030	5	1.62	4319
3333	9.1†	Lalande 46685.....	45 7.628	3.0632	+ .004	...	+ 5 59 4.69	20.004	.02	...	5	2.24	4320
3334	8.9†	Lalande 46738.....	46 37.220	3.0808	— .002	...	— 6 14 7.69	20.013	.02	...	5	2.07	4321
3335	5.8	22 Piscium	46 50.634	3.0691	+ .002	.0000	+ 2 22 27.79	20.014	.02	— .011	5	1.81	4322
3336	6.1	24 Piscium	23 47 47.353	+3.0769	— .001	+ .0040	— 3 42 37.48	+20.018	+ .02	— .019	14	2.94	4323
3337	6.2	25 Piscium.....	47 57.456	3.0704	+ .002	+ .0003	+ 1 32 4.51	20.019	.02	— .004	5	2.67	4324*
3338	8.6†	Lalande 46790.....	47 58.954	3.0812	— .003	...	— 7 12 21.39	20.019	.02	...	5	3.84	4325
3339	8.5†	Piazzi XXIII. 221...	48 5.230	3.0667	+ .004	...	+ 4 36 4.99	20.020	.02	...	3	2.85	4326
3340	9.1†	B. D. — 19° 6531...	48 25.755	3.0954	— .009	...	—18 55 33.07	20.021	.01	...	2	3.80	4327
3341	7.9†	Lalande 46834.....	23 48 58.190	+3.0674	+ .003	...	+ 4 18 56.13	+20.024	+ .01	...	5	1.41	4329
3342	7.8†	W. B. XXIII. 956...	49 12.012	3.0689	+ .003	...	+ 3 7 22.31	20.025	.01	...	5	2.45	4330
3343	7.7	Lalande 46854.....	49 31.154	3.0750	.000	...	— 2 30 8.69	20.026	.01	...	5	2.05	4331
3344	6.0	Mayer 1017	49 39.512	3.0728	+ .001	— .005	— 0 26 48.63	20.026	.01	— .01	5	2.61	4332
3345	7.9	Lalande 46872.....	49 59.978	3.0776	— .001	...	— 5 13 27.00	20.028	.01	...	5	3.60	4336
3346	6.1	26 Piscium.....	23 50 0.784	+3.0657	+ .005	+ .0005	+ 6 30 53.78	+20.028	+ .01	— .009	5	3.23	4337
3347	6.7	Lalande 46891.....	50 30.776	3.0649	+ .005	...	+ 7 40 0.31	20.030	.01	...	5	2.22	4338
3348	6.9	Lalande 46926.....	51 39.907	3.0687	+ .004	...	+ 4 10 5.88	20.034	.01	...	6	1.16	4339
3349	7.7	Lalande 46938.....	51 58.840	3.0702	+ .003	...	+ 2 30 53.01	20.035	.01	...	5	1.87	4341
3350†	5.1	27 Piscium	53 33.212	3.0750	— .001	— .0034	— 4 6 38.91	20.039	.00	— .066	24	2.61	4342*
3351	7.9†	Lalande 47005.....	23 53 48.940	+3.0700	+ .003	...	+ 3 43 0.31	+20.040	.00	...	3	1.50	4343
3352	4.0	28 Piscium.....	54 10.598	3.0686	+ .005	+ .0102	+ 6 18 34.37	20.040	.00	— .108	12	2.86	4344*
3353	7.5	Lalande 47030.....	54 26.644	3.0737	.000	...	— 2 24 26.78	20.041	.00	...	5	2.85	4345
3354	6.8	Piazzi XXIII. 249...	54 32.860	3.0759	— .002	...	— 6 26 54.13	20.041	.00	...	5	3.63	4347
3355	7.1	Lalande 47041.....	54 39.128	3.0728	+ .001	...	— 0 50 10.39	20.041	.00	...	5	3.61	4348
3356	8.5†	Lalande 47048.....	23 54 46.872	+3.0694	+ .004	...	+ 5 24 2.15	+20.042	.00	...	5	3.81	4349
3357	9.0†	W. B. XXIII. 1090.	55 26.980	3.0721	+ .002	...	+ 0 30 33.05	20.043	.00	...	5	3.22	4351
3358	8.0†	W. B. XXIII. 1091.	55 31.458	3.0725	+ .001	...	— 0 20 2.20	20.043	.00	...	5	1.41	4352
3359	8.9†	W. B. XXIII. 1099.	55 52.162	3.0746	— .001	— .019	— 5 29 4.84	20.044	.00	— .16	5	2.68	4354†
3360	5.1	29 Piscium	56 41.924	3.0735	.000	— .0002	— 3 35 2.59	20.045	.00	— .002	5	1.85	4355

3331. H. C. O., XLV., 6.4 mag.
3350. 5.1, 11.0 1" 7 273° 1898.7.

3359. Proper Motion from *Ast. Nach.*, 3206.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3361	4.7	30 Piscium.....	^h ^m ^s 23 56 49.852	^s +3.0744	^s -0.002	^s + 0.0029	- 6° 34' 11".59	+20".045	"00	- 0.037	5	2.64	4356*
3362	5.6	32 Piscium.....	57 23.004	3.0702	+0.006	- 0.0057	+ 7 55 47.68	20.046	00	- 0.027	5	2.25	4357
3363†	7.8†	Lalande 47148.....	57 39.346	3.0719	+0.003	...	+ 1 34 32.39	20.046	00	...	5	1.40	4358
3364	7.9†	Lalande 47177.....	58 32.854	3.0717	+0.004	...	+ 3 21 1.62	20.046	- 01	...	5	2.05	4359
3365	8.4†	Lalande 47209.....	59 39.000	3.0720	+0.002	...	+ 0 58 50.13	20.047	01	...	6	1.35	4360

3363. 7.9, 10.0 1"4 200° 1898.9.

CATALOGUE
OF
995 STARS SOUTH OF $-33^{\circ} 56' 3''.58$
REDUCED WITHOUT PROPER MOTION
TO THE
EQUINOX 1900.0.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3366	8.5†	C. Z. XXIII. 1618	h m s 0 0 16.265	+ 3.0683	- 0.073	- .0412	-68° 22' 26.26	+20.047	-0.01	- .484	2	1.86	2†
3367	8.5†	C. P. D. 59.2	3 9.570	+ 3.0408	- 0.048	...	-59 37 11.13	+20.045	-0.02	...	2	0.86	11
3368	8.5†	C. P. D. 53.9	3 42.215	+ 3.0437	- 0.037	...	-52 53 0.39	+20.044	-0.02	...	2	0.82	14
3369	8.7†	C. P. D. 58.5	5 15.415	+ 3.0231	- 0.044	...	-58 4 14.86	+20.042	-0.02	...	2	0.88	18
3370	8.0*	Lacaille 9752	5 22.655	+ 2.9131	- 0.134	...	-78 51 24.09	+20.041	-0.02	...	6	1.84	19
3371	6.8	Lacaille 9755	0 5 44.333	+ 2.9572	- 0.093	...	-73 46 53.18	+20.041	-0.02	...	3	0.87	21
3372†	8.8†	C. P. D. 58.7	5 48.265	+ 3.0180	- 0.044	...	-58 2 29.41	+20.040	-0.02	...	2	0.84	22
3373	8.7*	C. P. D. 42.18	10 12.635	+ 3.0175	- 0.024	...	-42 39 34.87	+20.027	-0.03	...	2	0.88	31
3374	9.0†	C. G. A. 168	11 6.810	+ 3.0214	- 0.020	...	-38 7 2.72	+20.023	-0.03	...	3	0.89	35
3375	6.6	Lacaille 29	11 35.060	+ 2.6728	- 0.128	...	-80 24 20.13	+20.021	-0.03	...	3	2.85	38
3376	7.0	Lacaille 31	0 11 54.267	+ 2.9795	- 0.035	...	-53 12 42.44	+20.020	-0.03	...	3	2.18	39
3377	7.2	Octantis	12 30.255	- 0.7862	+ 2.392	+ .006	-88 55 8.37	+20.017	0.00	+ .006	18 : 46	1.86 : 2.25	42*
3378	7.5*	C. G. A. 214	13 36.212	+ 2.9095	- 0.052	...	-64 1 53.23	+20.012	-0.03	...	5	1.48	45
3379	4.4	Toucani	14 52.087	+ 2.8826	- 0.054	+ .2750	-65 27 42.82	+20.005	-0.04	+ 1.172	5	1.48	48*
3380	8.0*	C. G. A. 271	16 51.334	+ 2.8425	- 0.056	...	-66 51 32.33	+19.993	-0.04	...	5	1.48	54
3381	8.3†	C. P. D. 57.84	0 19 31.650	+ 2.8958	- 0.038	...	-57 12 17.14	+19.974	-0.04	...	2	0.86	59
3382	9.5†	C. P. D. 81.2	20 6.665	+ 2.2789	- 0.094	...	-81 36 7.01	+19.970	-0.04	...	2	1.86	60
3383	2.9	Hydri	20 31.482	+ 2.5193	- 0.085	+ .7026	-77 49 1.92	+19.966	-0.04	+ .318	4	2.09	62*
3384	9.0†	C. P. D. 44.45	20 47.340	+ 2.9537	- 0.024	...	-44 24 10.13	+19.964	-0.05	...	2	1.91	64
3385	8.3†	C. P. D. 51.53	20 51.500	+ 2.9201	- 0.030	...	-51 23 33.04	+19.964	-0.05	...	2	1.90	65
3386	8.2	Lacaille 95	0 23 27.107	+ 2.8760	- 0.034	...	-55 10 36.19	+19.942	-0.05	...	3	0.88	73
3387†	8.0*	C. G. A. 395	23 41.463	+ 2.7557	- 0.051	...	-66 27 54.50	+19.940	-0.05	...	3	1.22	74
3388	8.5†	C. P. D. 55.102	25 4.200	+ 2.8616	- 0.034	...	-55 17 58.31	+19.927	-0.05	...	2	0.88	82
3389	5.3	Lacaille 123	28 10.490	+ 2.7424	- 0.043	...	-63 34 56.34	+19.896	-0.06	...	3	0.87	87
3390	8.3†	C. P. D. 55.118	31 6.645	+ 2.8069	- 0.032	...	-55 43 13.13	+19.862	-0.06	...	2	0.87	95
3391	6.8	Lacaille 161	0 33 6.240	+ 2.2482	- 0.055	...	-76 51 35.48	+19.838	-0.06	...	6	2.03	102
3392	8.5†	C. P. D. 57.133	34 5.145	+ 2.7616	- 0.033	...	-57 28 55.72	+19.826	-0.07	...	2	0.87	105
3393	8.6†	C. P. D. 55.141	35 30.215	+ 2.7762	- 0.030	...	-55 8 45.18	+19.807	-0.07	...	2	0.90	108
3394	8.0†	C. P. D. 65.68	37 23.465	+ 2.6055	- 0.040	...	-65 3 24.22	+19.781	-0.07	...	2	0.87	112
3395	6.7	Lacaille 206	40 24.493	+ 2.5414	- 0.039	...	-66 10 34.89	+19.736	-0.07	...	3	0.87	119
3396	8.8†	C. P. D. 53.172	0 40 32.155	+ 2.7512	- 0.027	...	-53 46 59.14	+19.734	-0.08	...	2	0.90	120
3397	8.5†	C. P. D. 56.147	42 17.885	+ 2.7064	- 0.029	...	-56 10 1.48	+19.706	-0.08	...	2	1.38	123
3398	8.5†	C. P. D. 57.169	44 26.870	+ 2.6641	- 0.030	...	-57 44 41.00	+19.671	-0.08	...	2	1.38	131
3399	8.0†	C. P. D. 64.81	46 13.750	+ 2.5081	- 0.034	...	-64 36 45.13	+19.640	-0.08	...	2	1.38	136
3400	8.8*	C. P. D. 43.103	48 29.195	+ 2.8073	- 0.018	...	-43 21 3.13	+19.600	-0.09	...	2	1.38	146
3401	8.7†	C. P. D. 53.215	0 51 48.385	+ 2.6730	- 0.024	...	-53 7 17.06	+19.537	-0.10	...	2	0.88	154
3402	7.4	Lacaille 278	56 17.140	+ 2.6392	- 0.023	...	-53 7 18.11	+19.445	-0.10	...	3	0.88	168
3403	8.5†	C. P. D. 62.81	57 37.145	+ 2.4281	- 0.027	...	-62 42 0.88	+19.417	-0.10	...	2	0.90	173
3404	8.2†	C. P. D. 56.205	58 6.480	+ 2.5601	- 0.024	...	-56 47 20.62	+19.406	-0.10	...	2	1.37	176
3405	9.0†	C. P. D. 55.212	58 36.215	+ 2.5813	- 0.023	...	-55 27 13.61	+19.395	-0.10	...	2	0.88	178

3372. 8.8, 9.2 3" 179°.
3387. 8.4, 9.4 1' 2 240°.

3366. Proper Motion by Ristenpart.

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3406	9·3†	C. P. D. 70·47	h m s 1 5 5·160	+ 1·9955	- 0·019	...	-70° 49' 30" 12	+19" 244	-0" 09	...	2	1·87	197
3407	8·7†	C. P. D. 57·252....	5 39·510	+ 2·4932	- 0·022	...	-56 53 20·65	+19·230	-0·11	...	2	0·88	200
3408	8·7†	C. P. D. 57·254 ...	5 57·800	+ 2·4759	- 0·022	...	-57 32 14·31	+19·222	-0·11	...	2	1·38	202
3409	9·2†	Brisbane 170.....	8 9·613	+ 1·7459	- 0·007	...	-73 32 57·77	+19·167	-0·08	...	3	0·88	210
3410	8·6	C. G. A. 1184.....	10 37·553	+ 1·5797	+ 0·003	...	-74 48 21·06	+19·102	-0·08	...	3	0·88	217
3411†	7·3*	Lacaille 353.....	1 11 36·247	+ 1·9822	- 0·016	...	-69 21 2·35	+19·076	-0·10	...	3	1·54	221
3412†	5·2	Toucani	12 22·673	+ 1·9676	- 0·015	+ ·077	-69 24 25·09	+19·055	-0·10	+ ·08	3	0·88	224†
3413	8·1	Lacaille 420.....	16 39·380	- 0·0761	+ 0·220	...	-82 4 0·79	+18·936	0·00	...	3	0·88	230
3414	7·5*	Lacaille 393.....	17 35·007	+ 1·5954	+ 0·003	...	-73 16 25·02	+18·909	-0·09	...	3	1·54	237
3415	8·5†	C. P. D. 55·296....	18 2·825	+ 2·4163	- 0·017	...	-55 45 50·61	+18·896	-0·13	...	2	1·87	241
3416	9·2†	C. P. D. 55·297....	1 18 22·615	+ 2·4304	- 0·017	...	-55 4 34·97	+18·886	-0·13	...	2	2·85	242
3417	7·2*	Lacaille 399.....	18 57·280	+ 1·8157	- 0·008	...	-70 14 30·58	+18·869	-0·10	...	3	1·21	244
3418	9·0†	Brisbane 202	20 46·848	+ 2·3379	- 0·017	...	-57 51 42·64	+18·814	-0·13	...	6	1·88	249
3419	8·0*	Lacaille 446.....	27 36·260	+ 2·3891	- 0·015	...	-53 53 6·24	+18·600	-0·14	...	3	0·88	265
3420	5·6	Lacaille 447.....	28 27·653	+ 2·6879	- 0·009	...	-37 22 42·99	+18·572	-0·16	...	3	1·21	268
3421	8·7†	C. P. D. 65·137....	1 29 59·455	+ 1·9563	- 0·010	...	-65 22 48·67	+18·521	-0·12	...	2	0·90	274
3422	6·2	Lacaille 468.....	31 30·185	+ 2·2195	- 0·013	...	-58 38 59·41	+18·470	-0·13	...	6	2·23	282
3423	7·3	Lacaille 510.....	33 9·597	- 0·0648	+ 0·178	...	-80 26 18·89	+18·413	0·00	...	3	2·20	286
3424	0·7	Eridani.....	33 59·485	+ 2·2279	- 0·013	+ ·0104	-57 44 40·93	+18·384	-0·14	- ·041	6	1·88	290*
3425	6·0	Lacaille 476.....	34 0·980	+ 2·6701	- 0·008	...	-37 2 0·55	+18·384	-0·16	...	3	1·85	291
3426	7·1*	Brisbane 241.....	1 35 22·892	+ 2·2423	- 0·012	...	-56 56 8·99	+18·336	-0·14	...	5	2·30	296
3427†	5·9	Eridani .....seq. p	36 0·697	+ 2·2446	- 0·012	...	-56 42 4·66	+18·313	-0·14	...	3	1·54	300
3428	8·6†	C. P. D. 62·132 ...	38 8·760	+ 2·0062	- 0·009	...	-62 29 56·84	+18·237	-0·13	...	2	0·89	308
3429	8·2†	C. P. D. 45·196 ...	40 27·225	+ 2·4898	- 0·010	...	-45 45 29·05	+18·152	-0·16	...	2	1·38	314
3430	5·6	Lacaille 634.....	43 8·102	- 3·9603	+ 1·174	+ ·009	-85 16 29·05	+18·051	+0·24	+ ·028	29 : 62	1·39 : 2·12	322*
3431	8·5†	C. Z. I. 1142	1 45 5·890	+ 2·1386	- 0·009	...	-57 38 30·25	+17·976	-0·15	...	5	2·51	329
3432	9·5†	C. P. D. 59·149....	46 16·510	+ 2·0750	- 0·008	...	-59 3 47·55	+17·930	-0·14	...	2	2·38	335
3433	7·5*	Lacaille 545	47 31·560	+ 2·6080	- 0·007	...	-37 32 14·27	+17·881	-0·18	...	3	1·55	336
3434	8·3†	C. P. D. 60·165....	53 8·660	+ 1·9628	- 0·005	...	-60 16 51·62	+17·653	-0·14	...	2	1·87	350
3435	7·2*	Lacaille 595.....	55 21·787	+ 2·6055	- 0·006	...	-35 54 20·64	+17·560	-0·19	...	3	1·55	358
3436	8·3†	C. P. D. 57·397 ...	2 1 40·560	+ 1·9956	- 0·004	...	-57 51 7·53	+17·287	-0·16	...	2	1·38	375
3437	8·0*	Lacaille 651	4 25·880	+ 1·9814	- 0·004	...	-57 40 4·98	+17·164	-0·16	...	3	1·55	385
3438	7·8†	C. P. D. 62·179 ...	7 2·075	+ 1·7072	+ 0·003	...	-62 44 17·68	+17·045	-0·14	...	2	1·38	389
3439	7·7*	Lacaille 673	7 18·243	+ 1·7706	+ 0·001	...	-61 34 5·58	+17·033	-0·14	...	3	2·23	393
3440	7·5*	Lacaille 670.....	9 3·553	+ 2·5438	- 0·004	...	-36 31 43·89	+16·951	-0·21	...	3	1·22	398
3441	8·7†	C. P. D. 59·204....	2 17 33·330	+ 1·8191	+ 0·001	...	-58 56 21·50	+16·543	-0·16	...	2	2·90	421
3442	8·0	Brisbane 342.....	18 31·637	+ 2·4379	- 0·004	...	-39 52 8·56	+16·495	-0·21	...	3 : 2	2·23 : 2·90	424
3443	7·8*	Lacaille 732	21 13·907	+ 2·5413	- 0·003	...	-34 30 12·89	+16·359	-0·22	...	3	2·23	433
3444	8·7†	C. P. D. 52·308 ...	24 55·335	+ 2·0318	- 0·002	...	-52 47 45·05	+16·171	-0·18	...	2	1·89	442
3445	8·5†	C. P. D. 58·215....	25 5·120	+ 1·8021	- 0·002	...	-58 5 53·30	+16·162	-0·16	...	2	2·38	446

3411. 7·8, 8·4 1" 0 204°.
 3412. 5·2, 7·2 5" 2 353°.
 3427. 5·9, 6·2 8" 223°.

3412. Proper Motion from Cincinnati Pub., 12.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3446	7.3*	Lacaille 795	^h 2 ^m 28 ^s 33.867	+ 1.3815	+ 0.014	...	-64° 29' 16".62	+15.980	-0.13	...	3	1.88	453
3447	8.1	Lacaille 806	32 23.180	+ 2.2421	+ 0.002	...	-45 11 41.38	+15.776	-0.21	...	3	1.22	464
3448	7.0	Lacaille 839	32 57.690	+ 0.4024	+ 0.065	...	-72 47 7.03	+15.745	-0.04	...	3	2.56	465
3449	7.8	Lacaille 1029	35 29.728	- 9.4292	+ 2.486	- .021	-86 9 42.14	+15.607	+0.86	+ .005	20 : 45	1.40 : 2.00	476*
3450†	9.0†	C. Z. II. 1201	44 20.083	+ 1.5158	+ 0.009	...	-60 33 55.68	+15.110	-0.15	...	3	2.23	495
3451	6.0	Fornacis	2 49 39.330	+ 2.3463	- 0.001	...	-38 50 44.86	+14.800	-0.24	...	3	2.23	510
3452	7.2*	Lacaille 939	2 52 53.407	+ 2.3901	0.000	...	-36 41 56.87	+14.608	-0.25	...	3	2.23	520
3453	8.5†	C. P. D. 58.248....	2 55 14.270	+ 1.5942	+ 0.008	...	-57 57 22.55	+14.467	-0.17	...	2	0.89	528
3454	8.5†	C. P. D. 60.235....	3 0 36.140	+ 1.4192	+ 0.012	...	-60 10 46.09	+14.138	-0.15	...	2	0.96	540
3455	7.6	Lacaille 979	3 1 58.877	+ 2.3349	0.000	...	-37 43 34.82	+14.052	-0.25	...	3	0.98	544
3456	8.0†	C. P. D. 57.497....	3 2 20.725	+ 1.5567	+ 0.009	...	-57 47 37.44	+14.029	-0.17	...	2	0.96	547
3457	8.4	Lacaille 1848	3 53.491	- 35.4860	+20.093	- .062	-88 34 21.33	+13.933	+3.71	- .026	7 : 9	1.91 : 2.25	551*
3458	7.0	Lacaille 1008	8 11.017	+ 2.2590	+ 0.001	...	-39 44 30.38	+13.660	-0.25	...	3	2.28	559
3459	7.8†	C. P. D. 63.212....	8 31.910	+ 1.0964	+ 0.021	...	-63 37 50.57	+13.638	-0.12	...	2	1.90	563
3460	6.2	Lacaille 1016	8 54.983	+ 2.0982	+ 0.001	...	-44 47 40.13	+13.613	-0.23	...	3	1.67	565
3461	5.7	Lacaille 1105	3 10 56.180	- 2.1967	+ 0.271	...	-79 22 8.22	+13.483	+0.23	...	3	0.98	569
3462	8.5†	C. P. D. 58.274....	13 5.550	+ 1.4642	+ 0.011	...	-58 11 26.34	+13.343	-0.17	...	2	0.96	577
3463	7.0	Lacaille 1069	13 35.423	+ 0.9475	+ 0.025	...	-64 48 38.00	+13.310	-0.11	...	3	1.03	579
3464	8.5†	C. P. D. 63.215....	14 30.055	+ 1.0479	+ 0.022	...	-63 38 49.97	+13.251	-0.12	...	2	2.90	587
3465	8.0†	C. P. D. 63.216....	15 14.850	+ 1.0374	+ 0.022	...	-63.41 54.44	+13.201	-0.12	...	2	0.96	588
3466	4.5	Eridani	3 15 56.616	+ 2.1170	+ 0.002	+ .2810	-43 27 5.98	+13.156	-0.24	+ .762	4	1.98	590*
3467	9.2†	C. P. D. 46.312....	16 17.655	+ 2.0060	+ 0.002	...	-46 33 30.07	+13.132	-0.23	...	2	1.96	591
3468	8.5†	C. P. D. 53.555....	18 31.090	+ 1.7104	+ 0.006	...	-53 13 0.39	+12.985	-0.20	...	2	0.96	598
3469	8.0†	C. P. D. 60.250....	20 15.295	+ 1.2932	+ 0.014	...	-60 3 29.20	+12.869	-0.15	...	2	0.96	605
3470	6.4	Lacaille 1107	22 37.328	+ 2.1421	+ 0.002	...	-41 59 14.12	+12.709	-0.25	...	6	1.95	609
3471	8.5†	C. P. D. 64.247....	3 27 28.480	+ 0.8875	+ 0.025	...	-64 18 13.79	+12.378	-0.11	...	2	0.96	620
3472	8.0†	C. P. D. 59.281....	30 52.240	+ 1.3041	+ 0.013	...	-58 58 39.30	+12.143	-0.16	...	2	0.96	626
3473	7.5*	Lacaille 1222	30 59.287	- 1.9126	+ 0.200	...	-77 57 13.93	+12.135	+0.22	...	3	1.02	627
3474	8.7†	C. P. D. 49.436....	35 .1.715	+ 1.8262	+ 0.005	...	-49 8 29.41	+11.852	-0.22	...	2	0.96	637
3475	8.5†	C. P. D. 58.306....	37 45.915	+ 1.3091	+ 0.013	...	-58 20 27.15	+11.658	-0.16	...	2	0.96	641
3476	8.5†	C. P. D. 55.561....	3 39 56.210	+ 1.4633	+ 0.010	...	-55 46 25.35	+11.503	-0.18	...	2	1.02	650
3477	8.0†	C. P. D. 52.441....	40 27.950	+ 1.6402	+ 0.007	...	-52 33 51.02	+11.465	-0.20	...	2	1.03	655
3478	6.4	Lacaille 1237	42 0.920	+ 1.5230	+ 0.009	...	-54 35 19.19	+11.354	-0.19	...	3	1.02	661
3479	9.0†	C. P. D. 52.449....	43 0.730	+ 1.6243	+ 0.007	...	-52 39 32.27	+11.282	-0.20	...	2	1.02	664
3480	8.6†	C. P. D. 86.39.....	43 3.310	- 14.8581	+ 2.923	...	-86 28 25.90	+11.279	+1.79	...	2	2.90	666
3481	8.5†	C. P. D. 57.586....	3 49 29.375	+ 1.3424	+ 0.012	...	-56 56 59.68	+10.809	-0.17	...	2	1.02	684
3482	8.9†	C. P. D. 56.595....	3 52 50.025	+ 1.3504	+ 0.011	...	-56 35 12.88	+10.561	-0.17	...	2	1.02	692
3483	8.6†	C. P. D. 57.600....	3 55 11.575	+ 1.2628	+ 0.013	...	-57 43 1.93	+10.385	-0.16	...	2	1.02	699
3484	8.5†	C. P. D. 56.615....	3 59 2.625	+ 1.3210	+ 0.011	...	-56 36 15.26	+10.096	-0.17	...	2	1.02	705
3485	8.5†	C. P. D. 52.509....	4 12 45.790	+ 1.5227	+ 0.008	...	-52 24 45.02	+ 9.041	-0.20	...	2	1.02	741

3450. 9.5, 10 1" 0 251°.

No.	Mag.	Name.	Mean R. A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3486	8.3†	C. P. D. 53.671....	^h 4 ^m 13 ^s 0.250	+ 1.4386	+ 0.009	...	-53° 51' 4.75"	+ 9.023	-0.19	...	2	1.02	742
3487	8.5†	C. P. D. 56.651....	13 35.910	+ 1.2484	+ 0.012	...	-56 46 0.62	+ 8.976	-0.17	...	2	1.99	744
3488	8.2†	C. P. D. 64.320....	16 49.595	+ 0.5885	+ 0.025	...	-64 9 4.25	+ 8.723	-0.08	...	2	1.02	756
3489	9.0†	C. P. D. 57.645....	19 28.135	+ 1.1527	+ 0.012	...	-57 46 35.88	+ 8.514	-0.16	...	2	1.02	767
3490	8.8†	C. P. D. 62.358....	26 39.075	+ 0.7617	+ 0.019	...	-62 1 39.71	+ 7.941	-0.11	...	2	1.02	789
3491	8.5†	C. P. D. 57.667....	4 28 54.635	+ 1.1257	+ 0.012	...	-57 39 53.17	+ 7.759	-0.15	...	2	1.02	793
3492	7.8†	Lacaille 1545.....	30 5.727	- 0.0001	+ 0.036	...	-68 6 7.28	+ 7.664	0.00	...	3	1.02	796
3493	8.4†	C. P. D. 53.729....	33 17.425	+ 1.3788	+ 0.009	...	-53 44 41.94	+ 7.405	-0.19	...	2	2.08	807
3494	6.8	Lacaille 1707.....	34 28.693	- 7.2346	+ 0.525	- .020	-83 6 55.64	+ 7.308	-0.98	+ .017	26 : 50	1.03 : 1.75	811*
3495	8.2†	C. P. D. 52.557....	39 18.145	+ 1.4372	+ 0.008	...	-52 30 10.82	+ 6.914	-0.20	...	2	1.02	820
3496†	8.7†	C. P. D. 56.732....	4 45 59.175	+ 1.1804	+ 0.010	...	-56 10 58.62	+ 6.362	-0.17	...	2	1.02	836
3497	8.5†	C. P. D. 57.707....	48 26.030	+ 1.0447	+ 0.011	...	-57 54 5.80	+ 6.159	-0.15	...	2	1.02	842
3498	7.5†	C. P. D. 62.398....	54 9.535	+ 0.5618	+ 0.017	...	-62 57 14.54	+ 5.680	-0.08	...	2	1.02	853
3499	8.0†	C. P. D. 53.772....	54 16.150	+ 1.3599	+ 0.008	...	-53 10 54.62	+ 5.671	-0.19	...	2	1.02	854
3500	8.7	C. G. A. 5759.....	57 56.957	+ 1.7864	+ 0.005	...	-44 57 28.43	+ 5.361	-0.25	...	3	1.02	860
3501	8.9†	C. Z. V. 136.....	5 4 47.580	+ 1.7332	+ 0.005	...	-45 53 45.78	+ 4.782	-0.25	...	3	1.38	878
3502	7.4	Lacaille 1751.....	5 33.543	+ 1.2090	+ 0.008	...	-55 7 9.45	+ 4.717	-0.17	...	3	1.38	880
3503*	8.4†	C. Z. V. 243.....	7 42.743	+ 1.7714	+ 0.004	+ .628	-44 59 0.47	+ 4.535	-0.25	-5.69	3	1.73	886†
3504	8.0*	C. G. A. 5994.....	8 27.310	+ 1.8112	+ 0.004	...	-44 4 1.93	+ 4.471	-0.26	...	2	1.55	888
3505	8.4†	C. P. D. 45.610....	18 32.300	+ 1.7374	+ 0.004	...	-45 26 19.22	+ 3.607	-0.25	...	3	1.38	911
3506	8.5†	C. P. D. 60.415....	5 23 1.620	+ 0.7836	+ 0.009	...	-60 2 32.52	+ 3.220	-0.11	...	2	1.02	923
3507	8.5†	C. P. D. 59.471....	24 49.965	+ 0.8501	+ 0.008	...	-59 16 28.90	+ 3.064	-0.13	...	2	1.55	927
3508	8.5†	C. P. D. 58.510....	25 7.040	+ 0.9317	+ 0.008	...	-58 19 14.31	+ 3.039	-0.14	...	2	1.56	928
3509	6.2	Lacaille 1920.....	27 31.260	+ 0.3215	+ 0.018	...	-68 42 5.37	+ 2.831	-0.05	...	3	1.38	934
3510	7.5	C. P. D. 47.606....	30 14.955	+ 1.6130	+ 0.004	...	-47 45 24.32	+ 2.595	-0.24	...	2	1.02	941
3511	8.3†	C. P. D. 59.482....	5 32 4.325	+ 0.8085	+ 0.008	...	-59 37 51.54	+ 2.437	-0.12	...	2	1.02	948
3512	8.5†	C. P. D. 59.490....	36 37.870	+ 0.7850	+ 0.007	...	-59 49 56.81	+ 2.040	-0.11	...	2	1.02	957
3513	8.5†	C. P. D. 60.446....	36 54.675	+ 0.7586	+ 0.007	...	-60 6 48.22	+ 2.016	-0.11	...	2	1.61	958
3514	8.5†	C. P. D. 58.535....	37 6.850	+ 0.9171	+ 0.006	...	-58 19 27.31	+ 1.998	-0.13	...	2	2.12	960
3515	9.7†	C. P. D. 62.504....	40 29.675	+ 0.4616	+ 0.008	...	-62 58 33.67	+ 1.704	-0.07	...	2	2.98	970
3516	8.6†	C. P. D. 56.936....	5 44 11.715	+ 1.0588	+ 0.005	...	-56 29 17.39	+ 1.381	-0.15	...	2	1.02	983
3517	9.0†	C. P. D. 40.822....	44 34.770	+ 1.9494	+ 0.003	...	-40 6 0.49	+ 1.348	-0.28	...	2	1.14	985
3518	8.5†	C. P. D. 56.949....	48 26.440	+ 1.0301	+ 0.004	...	-56 49 58.56	+ 1.011	-0.15	...	2	1.02	995
3519	6.2	Lacaille 2296.....	49 33.445	- 11.6978	+ 0.138	- .013	-84 50 6.58	+ 0.913	+ 1.70	+ .086	21 : 53	1.09 : 2.18	999*
3520	8.2†	C. P. D. 49.800....	49 56.465	+ 1.5307	+ 0.003	...	-49 6 15.25	+ 0.879	-0.22	...	2	1.08	1000
3521	8.5†	C. P. D. 56.958....	5 50 40.930	+ 1.0760	+ 0.004	...	-56 13 16.88	+ 0.815	-0.16	...	2	1.65	1002
3522	6.5	Lacaille 2078.....	51 43.877	+ 1.4581	+ 0.003	...	-50 23 40.66	+ 0.723	-0.21	...	3	1.06	1004
3523	8.5†	C. P. D. 59.538....	52 53.405	+ 0.7782	+ 0.004	...	-59 47 16.35	+ 0.622	-0.11	...	2	2.08	1008
3524	8.1†	C. P. D. 40.874....	53 9.440	+ 1.9289	+ 0.003	...	-40 33 36.13	+ 0.598	-0.28	...	2	1.58	1011
3525	8.0†	C. P. D. 59.545....	54 32.020	+ 0.8301	+ 0.004	...	-59 12 38.76	+ 0.478	-0.12	...	2	2.08	1015

3496. 8.7, 9.4 3'' 3 291".
3503. 9.2 mag. in S. M. P.

3503. Proper Motion from *Cape Astrographic Standards*, 1900.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3526*	var.	C. P. D. 86°72.....	^h 5 ^m 56 ^s 24'445	^s - 18'3732	^s + 0'108	^s ...	-86° 26' 4"14	+ 0"314	+ 2"68	...	2	2'98	1018
3527	8.5†	C. P. D. 61°565....	5 59 23'515	+ 0'5592	+ 0'003	...	-61 59 45'27	+ 0'053	- 0'08	...	2	2'08	1028
3528	8.2†	C. P. D. 60°531....	5 59 40'245	+ 0'6719	+ 0'003	...	-60 53 32'90	+ 0'029	- 0'10	...	2	2'15	1029
3529	8.4†	C. P. D. 52°837....	6 0 36'905	+ 1'3081	+ 0'003	...	-52 51 16'78	- 0'054	- 0'19	...	2	1'02	1031
3530	8.2†	C. P. D. 58°609....	6 0 43'075	+ 0'9153	+ 0'003	...	-58 13 3'70	- 0'063	- 0'13	...	2	1'62	1034
3531	8.5†	C. P. D. 42°823....	6 2 9'405	+ 1'8497	+ 0'002	...	-42 27 11'40	- 0'189	- 0'27	...	2	1'09	1039
3532	8.6†	C. P. D. 53°1006...	2 54'195	+ 1'2857	+ 0'003	...	-53 12 13'85	- 0'254	- 0'19	...	2	1'08	1041
3533	8.2†	C. P. D. 59°584....	4 45'905	+ 0'8030	+ 0'002	...	-59 30 35'47	- 0'417	- 0'12	...	2	2'08	1046
3534	8.3†	C. P. D. 58°623....	5 57'250	+ 0'8700	+ 0'002	...	-58 45 27'13	- 0'521	- 0'13	...	2	2'08	1053
3535	6.7	Lacaille 2512.....	6 9'142	- 15'7095	+ 0'117	- '027	-85 55 53'05	- 0'539	+ 2'29	+ '004	10 : 25	1'60 : 2'74	1055*
3536	8.1†	C. P. D. 59°594....	6 7 27'065	+ 0'8095	+ 0'002	...	-59 26 48'30	- 0'652	- 0'12	...	2	2'12	1061
3537	9.5*	C. Z. VI. 390.....	8 26'050	- 1'1594	- 0'003	+ '008	-72 29 2'86	- 0'738	+ 0'17	- '41	2	2'08	1063†
3538	8.7†	C. P. D. 59°603....	10 14'855	+ 0'8311	+ 0'001	...	-59 13 2'40	- 0'896	- 0'12	...	2	1'62	1072
3539	8.5†	C. P. D. 58°643....	10 32'185	+ 0'8552	+ 0'001	...	-58 56 43'73	- 0'921	- 0'12	...	2	2'12	1073
3540	9.0†	C. P. D. 59°608....	11 3'460	+ 0'7832	+ 0'001	...	-59 45 6'36	- 0'967	- 0'11	...	2	1'58	1076
3541	8.5*	C. Z. VI. 482.....	6 11 22'865	+ 1'2847	+ 0'002	...	-53 15 1'34	- 0'995	- 0'19	...	4	2'30	1077
3542	8.8†	C. P. D. 59°610....	11 38'605	+ 0'8031	+ 0'001	...	-59 32 5'89	- 1'018	- 0'12	...	2	2'12	1079
3543	9.0†	C. P. D. 58°651....	12 20'920	+ 0'8691	+ 0'001	...	-58 47 43'82	- 1'080	- 0'13	...	2	1'14	1081
3544	8.5†	C. P. D. 58°661....	15 41'855	+ 0'9280	+ 0'001	...	-58 7 35'18	- 1'372	- 0'13	...	2	1'02	1090
3545	8.0†	C. P. D. 57°980....	16 30'755	+ 0'9963	+ 0'001	...	-57 17 41'88	- 1'443	- 0'14	...	2	1'14	1093
3546	8.2†	C. P. D. 61°629....	6 18 53'170	+ 0'5909	- 0'001	...	-61 46 26'28	- 1'650	- 0'09	...	2	1'56	1097
3547	7.9†	Lacaille 2269.....	19 12'250	+ 1'3296	+ 0'001	...	-52 36 46'13	- 1'678	- 0'19	...	4	1'12	1098
3548	9.0†	Cape (1880) 2976..	20 8'373	+ 0'0099	- 0'004	...	-66 30 16'40	- 1'759	0'00	...	3	2'10	1100
3549	7.0	Lacaille 2278.....	20 10'223	+ 1'2873	+ 0'001	...	-53 17 1'13	- 1'762	- 0'19	...	3	2'72	1101
3550	8.5†	C. P. D. 61°638....	21 30'085	+ 0'6661	- 0'001	...	-61 3 30'31	- 1'878	- 0'10	...	2	2'12	1105
3551	-0.8	Argûs	6 21 43'953	+ 1'3296	+ 0'001	+ '0022	-52 38 27'57	- 1'898	- 0'19	+ '009	9	1'76	1106*
3552	8.5*	C. G. A. 7887	23 22'444	+ 1'3657	+ 0'001	...	-52 4 50'52	- 2'041	- 0'20	...	5	2'48	1111
3553	8.2†	Brisbane 1250	23 53'565	+ 1'3342	+ 0'001	...	-52 35 35'05	- 2'086	- 0'19	...	4	1'12	1112
3554	8.5†	C. P. D. 62°637....	24 40'495	+ 0'5621	- 0'002	...	-62 6 24'93	- 2'154	- 0'08	...	2	1'56	1115
3555	8.5†	C. P. D. 58°707....	25 17'260	+ 0'8652	- 0'001	...	-58 57 27'55	- 2'207	- 0'12	...	2	2'12	1116
3556	8.5†	C. P. D. 61°665....	6 29 14'880	+ 0'6087	- 0'003	...	-61 42 58'21	- 2'552	- 0'09	...	2	1'02	1129
3557	8.2†	C. Z. VI. 1405	30 58'032	+ 1'3658	0'000	...	-52 11 16'30	- 2'701	- 0'20	...	6	2'09	1133
3558	9.0†	C. P. D. 84°90.....	31 17'930	- 12'0981	- 0'407	...	-85 0 43'86	- 2'729	+ 1'75	...	2	1'14	1135
3559	8.5*	C. Z. VI. 1520	32 29'045	- 0'3071	- 0'011	- '024	-68 37 10'56	- 2'832	+ 0'05	- '48	2	2'08	1140†
3560	8.6†	C. P. D. 59°677....	35 13'185	+ 0'8626	- 0'003	...	-59 8 3'28	- 3'069	- 0'12	...	2	1'09	1148
3561	6.3	Lacaille 2432.....	6 36 56'277	+ 0'6483	- 0'004	...	-61 26 41'33	- 3'217	- 0'09	...	3	1'15	1154
3562	9.7†	C. Z. VI. 1923	40 53'440	+ 2'0815	+ 0'001	...	-36 59 24'95	- 3'558	- 0'30	...	2	1'62	1168
3563	8.6†	C. P. D. 57°1047...	43 1'165	+ 1'0243	- 0'003	...	-57 20 9'28	- 3'741	- 0'15	...	2	1'14	1175
3564	8.7†	C. P. D. 52°1004...	45 40'580	+ 1'3712	- 0'001	...	-52 23 59'32	- 3'969	- 0'19	...	2	1'14	1185
3565	8.5†	C. P. D. 40°1174...	47 3'515	+ 1'9427	+ 0'001	...	-40 48 17'32	- 4'087	- 0'28	...	2	1'62	1190

3526. L, 6.8-12.0; P, 412 days. Magnitude assumed in reductions 9.0 and 9.1.

3537, 3559. Proper Motion by Ristenpart.

No.	Mag.	Name.	Mean R.A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3566	8.6†	C. P. D. 43°1057...	^h 6 ^m 47 ^s 39.155	+ 1.8288	+ 0.001	...	-43° 33' 33.66	- 4.138	- 0.26	...	2	1.14	1191
3567	8.5†	C. P. D. 51°1019...	52 11.640	+ 1.4320	- 0.001	...	-51 33 36.68	- 4.526	- 0.20	...	2	1.14	1198
3568	8.6†	C. P. D. 61°737....	53 39.590	+ 0.6261	- 0.008	...	-62 0 46.57	- 4.651	- 0.09	...	2	2.08	1203
3569	8.9*	C. P. D. 48°1002...	54 34.885	+ 1.5944	0.000	...	-48 41 34.55	- 4.729	- 0.22	...	2	1.15	1205
3570	8.5	C. P. D. 41°1210...	57 22.855	+ 1.9252	+ 0.001	...	-41 32 19.53	- 4.967	- 0.27	...	2	1.15	1214
3571	8.0†	C. P. D. 58°807....	6 57 27.420	+ 0.9699	- 0.005	...	-58 22 30.66	- 4.973	- 0.14	...	2	2.08	1216
3572	5.1	Puppis.....H	7 1 17.633	+ 1.5665	- 0.001	...	-49 26 15.56	- 5.297	- 0.22	...	3	1.79	1223
3573	8.5†	C. P. D. 49°1144...	6 42.745	+ 1.5565	- 0.001	...	-49 48 57.65	- 5.753	- 0.21	...	2	1.15	1232
3574†	8.0†	Brisbane 1505.....	7 45.763	+ 0.8207	- 0.008	...	-60 24 45.49	- 5.841	- 0.11	...	3	1.79	1234
3575	9.0†	C. P. D. 47°1147...	8 28.500	+ 1.6604	0.000	...	-47 51 58.91	- 5.901	- 0.23	...	2	1.65	1235
3576	8.6†	C. P. D. 46°1297...	7 10 50.075	+ 1.7343	0.000	...	-46 25 25.25	- 6.098	- 0.24	...	2	1.15	1243
3577	8.7†	C. P. D. 61°786....	11 44.145	+ 0.7364	- 0.010	...	-61 26 20.82	- 6.173	- 0.10	...	2	2.08	1247
3578	8.0†	C. P. D. 46°1340...	13 40.425	+ 1.7565	0.000	...	-46 3 32.71	- 6.334	- 0.24	...	2	1.62	1250
3579	9.2*	C. P. D. 46°1355...	14 23.940	+ 1.7555	0.000	...	-46 6 44.67	- 6.394	- 0.24	...	2	1.62	1253
3580	8.0†	C. P. D. 43°1364...	17 2.770	+ 1.8832	+ 0.001	...	-43 18 15.68	- 6.613	- 0.26	...	2	1.15	1256
3581	7.9†	C. P. D. 57°1192...	7 17 54.465	+ 1.0876	- 0.005	...	-57 35 28.43	- 6.684	- 0.15	...	2	1.61	1261
3582	8.7†	C. P. D. 53°1323...	18 55.370	+ 1.3761	- 0.003	...	-53 26 15.31	- 6.768	- 0.19	...	2	2.21	1263
3583	9.0†	C. P. D. 54°1260...	20 11.005	+ 1.2911	- 0.004	...	-54 49 19.00	- 6.872	- 0.17	...	2	1.65	1265
3584	6.5	Lacaille 3274.....	22 1.534	+ 19.8179	- 2.651	- 0.015	-86 52 11.35	- 7.022	+ 2.71	+ 0.005	26 : 53	1.40 : 1.94	1271*
3585	8.8†	C. P. D. 56°1341...	24 24.035	+ 1.2042	- 0.005	...	-56 16 45.84	- 7.217	- 0.16	...	2	1.65	1275
3586	9.5†	C. Z. VII. 1799...	7 25 6.910	- 1.2480	- 0.069	...	-73 55 11.80	- 7.275	+ 0.17	...	2	2.08	1277
3587	8.7†	C. P. D. 84°128....	26 12.820	- 10.7021	- 0.965	...	-84 50 37.14	- 7.364	+ 1.45	...	2	1.65	1280
3588	8.5*	C. Z. VII. 1870...	26 49.925	+ 0.5985	- 0.015	...	-63 20 48.11	- 7.415	- 0.08	...	2	2.08	1283
3589	9.0†	C. P. D. 57°1245...	28 51.750	+ 1.1284	- 0.006	...	-57 31 28.49	- 7.580	- 0.15	...	2	1.62	1288
3590	9.0†	C. P. D. 62°844....	33 5.245	+ 0.7443	- 0.013	...	-62 11 39.44	- 7.920	- 0.10	...	2	1.62	1296
3591†	5.9	Puppis.....d ²	7 36 11.790	+ 2.1219	+ 0.001	...	-37 54 32.49	- 8.169	- 0.28	...	3	1.77	1304
3592	8.2†	C. P. D. 53°1400...	37 45.090	+ 1.4131	- 0.004	...	-53 44 52.56	- 8.294	- 0.19	...	2	2.08	1307
3593	9.0†	C. P. D. 59°887....	41 33.375	+ 1.0158	- 0.010	...	-59 34 59.20	- 8.596	- 0.13	...	2	2.08	1318
3594	5.3	Lacaille 2957.....	41 51.281	+ 2.2592	+ 0.001	- 0.0170	-33 58 28.35	- 8.619	- 0.29	+ 1.703	7	2.41	1319†
3595	8.5†	C. P. D. 55°1328...	43 25.765	+ 1.3266	- 0.005	...	-55 26 10.13	- 8.743	- 0.17	...	2	1.66	1322
3596	8.6†	C. P. D. 61°891....	7 45 12.380	+ 0.8672	- 0.013	...	-61 29 1.22	- 8.883	- 0.11	...	2	2.08	1327
3597	9.0†	C. P. D. 58°998....	45 52.575	+ 1.1366	- 0.008	...	-58 16 52.91	- 8.935	- 0.15	...	2	2.15	1328
3598	8.4†	C. P. D. 59°901....	46 20.275	+ 1.0308	- 0.010	...	-59 39 16.34	- 8.972	- 0.13	...	2	2.21	1330
3599	8.5†	Lacaille 3021.....	47 10.930	+ 2.2648	+ 0.001	...	-34 5 35.37	- 9.037	- 0.29	...	3	2.49	1333
3600	8.0†	C. P. D. 55°1361...	47 29.490	+ 1.3240	- 0.005	...	-55 42 37.82	- 9.060	- 0.17	...	2	2.11	1335
3601	8.5†	C. P. D. 60°896....	7 48 26.930	+ 0.9772	- 0.011	...	-60 24 41.70	- 9.136	- 0.12	...	2	2.21	1338
3602	8.8*	C. Z. VII. 3652...	49 39.465	+ 0.9323	- 0.012	...	-60 59 48.21	- 9.230	- 0.12	...	2	2.12	1342
3603	8.4†	C. P. D. 52°1312...	50 14.375	+ 1.5449	- 0.003	...	-52 11 54.42	- 9.275	- 0.20	...	2	2.12	1348
3604	8.0†	C. P. D. 52°1319...	50 32.400	+ 1.5341	- 0.003	...	-52 24 50.28	- 9.299	- 0.19	...	2	2.21	1349
3605	8.7†	C. P. D. 59°923....	50 43.053	+ 1.0509	- 0.010	...	-59 39 8.37	- 9.312	- 0.13	...	3	2.72	1351

3574. 8.6, 9.0 0" 8 182°.
3591. 6.0, 8.7 1 4 153.

3594. Proper Motion from Cincinnati Pub., 13.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3606	9.0†	C. P. D. 59°28 ...	^h 7 ^m 51 ^s 16.440	+ 1°0932	- 0°009	...	-59° 9' 11".07	- 9'355	-0"14	...	2	2'12	1352
3607	8.4†	C. P. D. 61°911 ...	52 10.590	+ 0°8808	- 0°014	...	-61 42 32.07	- 9'425	-0"11	...	2	2'18	1354
3608	8.5†	C. P. D. 61°916 ...	52 58.850	+ 0°9208	- 0°013	...	-61 18 43.61	- 9'487	-0"11	...	2	2'08	1356
3609	7.8	Octantis.....A	53 2.198	- 44°2033	-16°885	- .040	-88 34 24.97	- 9'491	+5°68	+ .007	8:19	1'19: 2'20	1358*
3610	6.1	Lacaille 3094.....	54 21.650	+ 1°7862	0°000	...	-47 37 16.03	- 9'593	-0"22	...	3	2'13	1359
3611	8.2†	C. Z. VII. 4072 ...	7 54 40.800	+ 1°3197	- 0°006	...	-56 12 51.86	- 9'618	-0"17	...	3	2'21	1360
3612	8.0*	C. G. A. 10556....	55 41.270	+ 1°0050	- 0°012	...	-60 29 47.92	- 9'695	-0"12	...	2	2'12	1366
3613	8.5†	C. P. D. 61°936 ...	56 26.930	+ 0°8952	- 0°014	...	-61 47 39.62	- 9'753	-0"11	...	2	2'24	1370
3614	8.0†	C. P. D. 59°947 ...	56 32.905	+ 1°0965	- 0°009	...	-59 25 29.34	- 9'761	-0"14	...	2	2'21	1371
3615	9.0†	C. P. D. 59°953....	57 38.160	+ 1°0619	- 0°010	...	-59 55 27.73	- 9'844	-0"13	...	2	1'20	1373
3616	8.7†	C. P. D. 58°1034..	7 58 36.345	+ 1°1703	- 0°008	...	-58 35 21.67	- 9'918	-0"14	...	2	2'12	1377
3617	9.0†	C. P. D. 56°1494..	7 58 49.480	+ 1°3247	- 0°006	...	-56 24 23.93	- 9'934	-0"16	...	2	1'22	1378
3618	8.7†	C. P. D. 61°951 ...	7 59 53.090	+ 0°8969	- 0°015	...	-61 58 40.20	-10°015	-0"11	...	2	2'18	1383
3619	8.5†	C. P. D. 61°952 ...	8 0 1.095	+ 0°9722	- 0°013	...	-61 8 30.23	-10°025	-0"12	...	2	2'14	1384
3620	8.4†	C. Z. VIII. 4.....	8 0 30.315	+ 1°1007	- 0°010	...	-59 37 5.62	-10°062	-0"13	...	2	2'18	1387
3621	8.5†	C. Z. VIII. 122 ...	8 1 59.590	+ 1°0267	- 0°012	...	-60 37 24.62	-10°174	-0"12	...	2	1'62	1392
3622†	7.4	Lacaille 3175.....	3 15.350	+ 1°0762	- 0°011	...	-60 6 3.66	-10°269	-0"13	...	2	1'26	1398
3623	8.7†	C. P. D. 55°1450...	3 37.795	+ 1°3801	- 0°005	...	-55 52 42.21	-10°297	-0"17	...	2	2'18	1399
3624	8.7*	C. P. D. 47°1864...	4 7.780	+ 1°8164	0°000	...	-47 38 29.02	-10°335	-0"22	...	2	1'22	1400
3625	8.5†	C. P. D. 45°2160...	5 23.605	+ 1°8918	0°000	...	-45 58 2.30	-10°429	-0"23	...	2	1'22	1404
3626	8.0†	C. P. D. 47°1927...	8 6 59.990	+ 1°8084	0°000	...	-48 2 21.05	-10°549	-0"22	...	2	1'28	1407
3627	8.7†	C. P. D. 48°1535...	7 43.615	+ 1°7968	0°000	...	-48 21 17.14	-10°603	-0"22	...	2	1'72	1408
3628	8.2†	C. P. D. 48°1541...	7 55.650	+ 1°7883	0°000	...	-48 33 38.93	-10°618	-0"22	...	2	1'22	1410
3629	8.9†	C. Z. VIII. 643....	8 6.305	+ 0°7464	- 0°020	...	-64 1 40.10	-10°631	-0°09	...	2	2'18	1412
3630	7.9†	C. P. D. 52°1427...	13 57.135	+ 1°5983	- 0°003	...	-52 54 14.95	-11°061	-0"19	...	2	1'15	1420
3631	6.7	Lacaille 3329.....	8 15 54.547	- 0°6687	- 0°083	...	-73 29 53.51	-11°203	+0°09	...	3	1'18	1430
3632	9.0*	C. Z. VIII. 1524...	16 58.960	- 3°2992	- 0°306	...	-80 9 47.91	-11°281	+0°40	...	2	2'18	1436
3633	8.6*	C. P. D. 50°1553...	17 10.750	+ 1°7296	- 0°001	...	-50 34 9.64	-11°296	-0°20	...	2	1'28	1437
3634	8.5†	C. P. D. 50°1555...	17 26.070	+ 1°7268	- 0°001	...	-50 39 2.14	-11°314	-0°20	...	2	1'15	1438
3635	8.7†	C. P. D. 69°881....	17 30.545	+ 0°1532	- 0°043	...	-69 18 1.00	-11°319	-0°01	...	2	2'18	1439
3636	8.3†	C. P. D. 40°2386...	8 18 8.870	+ 2°1194	- 0°002	...	-40 52 32.55	-11°365	-0°25	...	2	1'28	1442
3637	8.4†	C. P. D. 59°1030...	19 50.060	+ 1°1709	- 0°011	...	-60 3 21.73	-11°487	-0°13	...	2	1'15	1444
3638	8.3	C. P. D. 58°1117...	22 40.675	+ 1°3284	- 0°007	...	-58 5 41.68	-11°689	-0°15	...	2	1'15	1452
3639	8.5*	C. P. D. 51°1478...	24 3.655	+ 1°7293	- 0°001	...	-51 10 7.87	-11°788	-0°20	...	2	1'26	1455
3640	9.1*	C. P. D. 51°1483...	24 14.520	+ 1°7274	- 0°001	...	-51 13 21.97	-11°799	-0°20	...	2	1'27	1457
3641	8.9*	C. P. D. 47°2254...	8 24 18.425	+ 1°8978	+ 0°001	...	-47 23 48.60	-11°805	-0°22	...	2	1'72	1458
3642	8.1†	C. P. D. 51°1485...	24 42.265	+ 1°7275	- 0°001	...	-51 15 48.60	-11°833	-0°20	...	2	1'15	1459
3643†	6.5	Lacaille 3376.....	27 16.780	+ 2°0246	+ 0°002	...	-44 24 1.62	-12°014	-0°23	...	3	1'18	1467
3644	8.5†	C. P. D. 43°2677...	28 24.680	+ 2°0614	+ 0°002	...	-43 28 58.09	-12°093	-0°23	...	2	1'15	1470
3645	8.8†	C. P. D. 58°1149...	30 27.650	+ 1°3626	- 0°007	...	-58 14 0.95	-12°236	-0°15	...	2	1'15	1475

3622. 7.9, 8.5 1" 1 352°.

3643. 6.5, 10 3' 3 79°.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3646	8.8†	C. P. D. 47.2427...	^h 8 ^m 32 ^s 38.735	+ 1.9255	+ 0.001	...	-47° 29' 58".47	-12.387	-0.22	...	2	1.15	1482
3647	8.7†	C. P. D. 56.1731...	33 2.225	+ 1.4588	- 0.005	...	-56 57 39.16	-12.413	-0.16	...	2	1.26	1485
3648	7.3*	C. P. D. 40.2697...	34 0.485	+ 2.1920	+ 0.003	...	-40 5 9.76	-12.480	-0.24	...	2	1.21	1487
3649	8.9†	C. P. D. 51.1561...	35 56.715	+ 1.7517	- 0.001	...	-51 48 35.24	-12.612	-0.19	...	2	1.15	1491
3650	8.4*	C. P. D. 51.1565...	36 22.130	+ 1.7465	- 0.001	...	-51 57 38.07	-12.641	-0.19	...	2	1.26	1492
3651	8.8*	C. P. D. 45.2808...	8 36 47.755	+ 2.0272	+ 0.002	...	-45 15 39.36	-12.670	-0.22	...	2	1.27	1493
3652	7.9†	C. P. D. 52.1581...	37 9.330	+ 1.7044	- 0.001	...	-52 54 22.82	-12.694	-0.19	...	2	1.28	1494
3653	9.0†	C. P. D. 67.975...	38 13.140	+ 0.5870	- 0.032	...	-67 28 51.57	-12.766	-0.06	...	2	1.20	1498
3654	8.0†	C. P. D. 53.1603...	39 21.275	+ 1.7100	- 0.001	...	-53 0 37.96	-12.843	-0.19	...	2	1.20	1501
3655	8.8†	C. P. D. 55.1687...	39 43.660	+ 1.5887	- 0.003	...	-55 21 55.21	-12.868	-0.17	...	2	2.21	1502
3656	9.3*	C. P. D. 47.2612...	8 39 50.915	+ 1.9612	+ 0.002	...	-47 19 34.03	-12.876	-0.21	...	2	1.27	1503
3657*	8.5†	C. P. D. 47.2621...	40 5.225	+ 1.9363	+ 0.002	...	-47 59 3.06	-12.892	-0.21	...	2	1.22	1504
3658	8.5†	C. P. D. 47.2651...	41 11.270	+ 1.9395	+ 0.002	...	-48 1 10.65	-12.965	-0.21	...	2	1.20	1510
3659	9.8†	C. P. D. 63.1029...	41 55.070	+ 1.0584	- 0.016	...	-63 12 59.55	-13.014	-0.11	...	3	1.86	1512
3660	8.5†	C. P. D. 57.1678...	41 55.200	+ 1.4823	- 0.005	...	-57 24 25.47	-13.014	-0.16	...	2	1.21	1513
3661	8.7†	C. P. D. 53.1857...	8 42 12.005	+ 1.7159	- 0.001	...	-53 10 48.03	-13.033	-0.19	...	2	1.74	1514
3662	8.1†	C. P. D. 41.2942...	42 38.150	+ 2.1700	+ 0.003	...	-41 40 9.51	-13.062	-0.24	...	2	1.68	1516
3663	8.3†	C. P. D. 55.1730...	43 15.375	+ 1.5870	- 0.003	...	-55 44 42.59	-13.103	-0.17	...	2	1.26	1517
3664	8.1*	C. P. D. 40.2871...	43 48.070	+ 2.2112	+ 0.003	...	-40 27 58.67	-13.139	-0.24	...	2	1.28	1518
3665	8.3*	C. P. D. 51.1626...	44 6.370	+ 1.7999	+ 0.001	...	-51 36 24.09	-13.159	-0.19	...	2	1.28	1519
3666	8.5†	C. P. D. 58.1221...	8 45 7.150	+ 1.4578	- 0.005	...	-58 6 54.91	-13.226	-0.15	...	2	1.15	1521
3667	8.5†	C. Z. VIII. 3705...	45 38.320	+ 0.9640	- 0.019	...	-64 34 21.54	-13.260	-0.10	...	2	2.15	1527
3668	9.0†	C. P. D. 47.2801...	47 7.050	+ 1.9877	+ 0.002	...	-47 25 9.12	-13.356	-0.21	...	2	1.15	1529
3669	8.4*	C. P. D. 43.3093...	49 20.225	+ 2.1389	+ 0.003	...	-43 22 30.31	-13.501	-0.23	...	2	1.28	1537
3670	8.7*	C. P. D. 50.1859...	49 33.570	+ 1.8514	+ 0.001	...	-51 2 43.71	-13.515	-0.19	...	2	1.26	1538
3671	6.1	Lacaille 3629.....	8 49 53.080	+ 0.0065	- 0.066	...	-72 10 31.22	-13.536	+0.01	...	3	1.18	1540
3672	9.0†	C. P. D. 55.1855...	53 27.830	+ 1.6549	- 0.002	...	-55 34 14.19	-13.765	-0.17	...	2	1.15	1550
3673	8.3†	C. P. D. 53.2003...	53 51.615	+ 1.7421	0.000	...	-53 54 2.97	-13.791	-0.18	...	2	1.26	1551
3674	8.9†	C. P. D. 63.1067...	54 5.945	+ 1.1384	- 0.014	...	-63 23 9.17	-13.806	-0.11	...	2	2.21	1553
3675	8.0†	C. P. D. 58.1306...	54 44.470	+ 1.5136	- 0.004	...	-58 11 57.26	-13.846	-0.15	...	2	1.72	1554
3676†	8.0*	Brisbane 2310.....	8 55 5.270	- 0.2192	- 0.084	...	-73 39 32.18	-13.868	+0.03	...	3	1.26	1555
3677	8.8†	C. P. D. 57.1807...	55 28.270	+ 1.5317	- 0.004	...	-57 58 41.95	-13.892	-0.16	...	2	1.15	1556
3678	9.5†	C. P. D. 80.310....	55 48.265	- 2.5101	- 0.319	...	-80 13 14.66	-13.913	+0.27	...	2	2.18	1557
3679	9.0*	C. P. D. 43.3240...	57 9.735	+ 2.1656	+ 0.004	...	-43 27 53.78	-13.999	-0.22	...	2	1.26	1561
3680	8.2†	C. P. D. 57.1822...	57 33.510	+ 1.5516	- 0.004	...	-57 52 12.71	-14.023	-0.16	...	2	1.15	1562
3681	8.5†	C. P. D. 43.3257...	8 57 53.190	+ 2.1559	+ 0.004	...	-43 51 23.69	-14.044	-0.22	...	2	1.28	1564
3682	8.8†	C. P. D. 47.3056...	9 1 44.475	+ 2.0285	+ 0.003	...	-48 3 39.16	-14.283	-0.20	...	2	1.15	1573
3683	8.2†	C. P. D. 58.1370...	1 49.580	+ 1.5269	- 0.004	...	-58 45 28.40	-14.288	-0.15	...	2	1.26	1574
3684	8.5†	C. P. D. 55.1937...	2 27.050	+ 1.7052	0.000	...	-55 38 5.41	-14.326	-0.17	...	2	1.27	1576
3685	8.2*	Lacaille 3767.....	6 56.060	- 0.1972	- 0.091	...	-74 20 56.82	-14.598	+0.03	...	3	1.18	1588

3657. Magnitude in Cor. D. 9.4.
3676. 8.3, 9.8 1" 9 242".

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4-
3686	5.3	Octantis.....	h m s 9 11 14.107	— 7.7593	— 1.615	— .114	—85° 15' 46".78	—14.853	+0.77	+ .041	25 : 62	1.67 : 2.06	1596*
3687	9.0*	C. P. D. 44.3593...	11 47.360	+ 2.1928	+ 0.005	...	—44 29 34.00	—14.886	—0.21	...	2	1.70	1597
3688	5.4	Lacaille 3765.....	13 1.827	+ 2.3522	+ 0.005	...	—38 58 55.51	—14.958	—0.22	...	3	2.19	1603
3689	8.0†	C. P. D. 58.1469...	14 39.440	+ 1.6426	— 0.001	...	—58 18 34.39	—15.052	—0.15	...	2	1.26	1607
3690	6.0	Lacaille 3845.....	17 35.300	— 0.0247	— 0.085	...	—74 18 45.74	—15.220	+0.01	...	3	1.27	1614
3691	8.5†	C. P. D. 60.1404...	9 19 26.063	+ 1.5504	— 0.004	...	—60 29 3.08	—15.325	—0.14	...	3	1.27	1619
3692	8.0†	C. P. D. 67.1086...	26 13.620	+ 1.0587	— 0.021	...	—67 34 38.36	—15.701	—0.09	...	2	2.21	1633
3693	10.2†	C. P. D. 80.349...	27 14.823	— 1.6719	— 0.284	...	—80 7 14.05	—15.757	+0.16	...	3	2.31	1637
3694	8.2*	C. G. A. 13063....	28 0.175	— 1.9411	— 0.327	...	—80 40 47.39	—15.797	+0.18	...	2	2.24	1640
3695†	7.7*	Lacaille 3924.....	29 22.168	+ 1.6118	— 0.002	...	—60 47 31.29	—15.871	—0.14	...	4	1.26	1642
3696	8.5†	C. P. D. 64.1050...	9 35 4.095	+ 1.4016	— 0.008	...	—64 41 42.19	—16.170	—0.11	...	2	1.26	1657
3697	9.0*	C. Z. IX. 2730.....	35 11.330	+ 1.7584	+ 0.002	...	—59 0 14.97	—16.177	—0.14	...	2	2.21	1659
3698†	8.5†	C. P. D. 66.1032...	36 18.967	+ 1.2907	— 0.012	...	—66 14 47.53	—16.234	—0.10	...	3	1.91	1664
3699	8.5†	C. P. D. 56.2498...	42 26.095	+ 1.9415	+ 0.006	...	—56 16 31.13	—16.543	—0.15	...	2	1.26	1677
3700†	8.0†	Lacaille 4025.....	43 18.200	+ 2.5012	+ 0.008	...	—37 15 38.17	—16.585	—0.20	...	3	1.28	1678
3701	7.8*	Lacaille 4064.....	9 43 51.317	+ 0.0024	— 0.104	...	—76 18 21.59	—16.613	+0.01	...	3	2.23	1681
3702	8.5†	C. P. D. 61.1352...	48 56.375	+ 1.7360	+ 0.003	...	—61 34 31.71	—16.857	—0.13	...	2	1.26	1690
3703	9.0*	C. P. D. 50.2864...	51 18.430	+ 2.2137	+ 0.010	...	—50 20 44.23	—16.969	—0.16	...	2	1.26	1695
3704	8.5†	C. P. D. 58.1693...	51 18.990	+ 1.9275	+ 0.007	...	—58 8 10.82	—16.969	—0.14	...	2	1.74	1696
3705	8.7†	C. P. D. 69.1133...	53 51.175	+ 1.1983	— 0.018	...	—69 32 38.43	—17.086	—0.08	...	2	1.26	1704
3706	8.0*	C. P. D. 42.4251...	9 56 22.340	+ 2.4453	+ 0.010	...	—42 24 22.07	—17.200	—0.18	...	2	1.26	1711
3707	8.9*	C. P. D. 50.2950...	9 56 50.425	+ 2.2391	+ 0.011	...	—50 36 34.52	—17.221	—0.16	...	2	1.28	1712
3708	8.3†	C. P. D. 60.1602...	9 59 33.395	+ 1.8716	+ 0.007	...	—60 49 19.53	—17.342	—0.13	...	2	1.26	1716
3709	9.3†	C. Z. X. 35.....	10 1 29.920	+ 2.4317	+ 0.011	...	—44 6 55.17	—17.426	—0.17	...	3	1.58	1723
3710	8.4*	C. P. D. 41.4300...	10 1 32.085	+ 2.4888	+ 0.011	...	—41 27 31.51	—17.428	—0.17	...	2	1.74	1724
3711	9.5†	C. Z. X. 105.....	10 2 14.947	+ 1.3728	— 0.010	...	—68 52 9.97	—17.459	—0.09	...	3	2.29	1730
3712	9.0*	C. P. D. 39.4199...	2 48.935	+ 2.5246	+ 0.010	...	—39 56 53.93	—17.483	—0.17	...	2	2.27	1732
3713	8.8†	C. Z. X. 143.....	3 15.687	+ 2.6203	+ 0.009	...	—34 44 33.73	—17.502	—0.18	...	3	1.59	1734
3714	8.2†	C. P. D. 56.2875...	4 3.335	+ 2.0727	+ 0.001	...	—57 3 38.52	—17.536	—0.14	...	2	2.27	1737
3715	8.2*	C. P. D. 43.4446...	6 56.125	+ 2.4698	+ 0.012	...	—43 35 32.50	—17.656	—0.16	...	2	1.26	1743
3716	9.5*	C. P. D. 40.4261...	10 7 5.985	+ 2.5214	+ 0.011	...	—41 4 25.09	—17.663	—0.17	...	2	1.28	1744
3717	8.0†	C. P. D. 43.4476...	8 37.915	+ 2.4797	+ 0.012	...	—43 30 52.10	—17.726	—0.16	...	2	1.26	1749
3718	9.3*	C. P. D. 50.3184...	9 28.460	+ 2.3227	+ 0.013	...	—50 24 44.56	—17.761	—0.15	...	2	1.74	1751
3719	9.2†	C. P. D. 46.4038...	10 33.160	+ 2.3953	+ 0.013	...	—47 46 55.37	—17.804	—0.15	...	2	1.75	1756
3720	8.2†	C. P. D. 70.1000...	11 9.795	+ 1.3409	— 0.012	...	—70 33 37.34	—17.829	—0.08	...	2	2.24	1757
3721†	7.4*	Lacaille 4248 ...seq.	10 12 19.683	+ 1.6615	+ 0.002	...	—66 47 17.51	—17.875	—0.10	...	3	1.92	1760
3722	10.2†	C. P. D. 84.262....	13 54.930	— 3.2704	— 0.889	...	—84 37 30.70	—17.937	+0.22	...	2	2.32	1764
3723	8.5†	C. P. D. 67.1266...	14 35.030	+ 1.6299	+ 0.001	...	—67 38 34.51	—17.963	—0.10	...	2	2.21	1766
3724	8.5†	C. P. D. 50.3358...	16 10.935	+ 2.3685	+ 0.015	...	—50 15 59.67	—18.025	—0.14	...	2	1.74	1772
3725	8.2†	C. P. D. 56.3156...	16 53.305	+ 2.2024	+ 0.015	...	—56 15 3.19	—18.052	—0.13	...	2	1.74	1775

3695. 7.9, 9.9 1" 2 358°.
 3698. 8.9, 9.3 1" 1 48°.
 3700. 8.2, 10.3 1" 0 312°.
 3721. 7.4, 9.2 2" 1 333°.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3726	8.7†	C. P. D. 67.1297...	10 18 46.870	+ 1.7089	+ 0.005	...	-67° 16' 2".12	-18".123	-0".10	...	2	1.26	1780
3727	8.2†	C. P. D. 61.1611...	19 8.635	+ 2.0084	+ 0.013	...	-61 50 51.08	-18.137	-0.12	...	2	2.24	1781
3728	9.0†	C. P. D. 58.2157...	19 59.015	+ 2.1630	+ 0.015	...	-58 9 0.32	-18.168	-0.13	...	2	2.24	1784
3729	8.5†	C. P. D. 59.2132...	22 55.543	+ 2.1410	+ 0.015	...	-59 27 57.35	-18.275	-0.12	...	3	1.26	1792
3730†	8.0*	C. Z. X. 1612.....	23 23.273	+ 2.6421	+ 0.013	...	-38 11 33.48	-18.292	-0.15	...	3	1.89	1796
3731	8.7†	C. P. D. 65.1368...	10 26 25.065	+ 1.8833	+ 0.012	...	-65 56 52.44	-18.399	-0.10	...	2	1.26	1803
3732	9.0*	C. P. D. 42.4679...	26 43.970	+ 2.5926	+ 0.014	...	-42 11 56.31	-18.409	-0.14	...	2	1.26	1804
3733	6.3	Velorum.....	27 41.160	+ 2.5565	+ 0.015	...	-44 33 8.46	-18.443	-0.14	...	3	1.95	1808
3734	9.0†	C. Z. X. 2041.....	28 36.000	+ 1.3913	- 0.010	...	-72 50 34.58	-18.474	-0.07	...	2	2.27	1810
3735	7.5	Lacaille 4392.....	28 46.647	- 0.0377	- 0.171	...	-80 32 36.95	-18.480	+0.01	...	3	1.94	1812
3736	8.5*	C. P. D. 45.4763...	10 30 4.570	+ 2.5437	+ 0.016	...	-45 58 6.23	-18.524	-0.13	...	2	1.80	1817
3737	8.3†	C. G. A. 14446....	30 46.060	+ 2.1104	+ 0.017	...	-62 11 39.37	-18.547	-0.11	...	3	1.93	1818
3738	9.1†	C. P. D. 59.2236...	31 1.365	+ 2.2173	+ 0.018	...	-59 23 11.55	-18.555	-0.11	...	2	2.27	1820
3739	8.0*	Lacaille 4376.....	31 30.260	+ 2.0576	- 0.017	...	-63 37 1.21	-18.571	-0.11	...	1	1.27	1822
3740†	8.5*	Brisbane 3103.....	31 32.300	+ 2.0582	+ 0.017	...	-63 36 40.50	-18.572	-0.11	...	1	2.32	1823
3741	8.3*	C. P. D. 45.4844...	10 36 9.580	+ 2.5848	+ 0.017	...	-45 33 42.00	-18.720	-0.13	...	2	1.74	1833
3742	6.7	Lacaille 4510.....	36 55.135	- 3.0488	- 1.076	- .009	-85 34 20.66	-18.744	+0.17	- .023	24 : 47	1.76 : 2.00	1836*
3743	7.1	Lacaille 4444.....	39 59.153	+ 2.4996	+ 0.020	...	-51 23 55.77	-18.838	-0.12	...	3	1.59	1841
3744	8.5*	C. P. D. 42.4870...	43 3.345	+ 2.6720	+ 0.017	...	-42 16 22.83	-18.928	-0.12	...	2	1.28	1849
3745	8.1*	C. P. D. 43.4959...	45 0.745	+ 2.6610	+ 0.018	...	-43 45 21.61	-18.983	-0.12	...	2	1.28	1853
3746	8.3†	C. P. D. 56.3924...	10 47 24.110	+ 2.4374	+ 0.024	...	-56 44 48.80	-19.049	-0.10	...	2	1.26	1860
3747	9.2*	C. P. D. 51.3671...	49 47.960	+ 2.5576	+ 0.023	...	-51 56 18.82	-19.114	-0.10	...	2	1.26	1865
3748	9.5†	C. Z. X. 3754.....	52 7.910	+ 1.0488	- 0.048	...	-79 5 26.22	-19.174	-0.04	...	2	2.27	1872
3749	8.7*	C. P. D. 44.5222...	52 20.980	+ 2.6860	+ 0.020	...	-44 49 0.52	-19.180	-0.11	...	2	1.26	1873
3750	7.5*	Lacaille 4538.....	53 52.853	+ 2.6999	+ 0.020	...	-44 23 58.16	-19.218	-0.10	...	3	1.67	1875
3751	9.7	Gillis P. Z. 7480...	10 54 27.580	+ 1.9078	+ 0.020	...	-72 3 41.00	-19.233	-0.07	...	2	2.27	1880
3752	8.0†	C. P. D. 55.4038...	55 29.075	+ 2.5287	+ 0.026	...	-55 40 11.05	-19.258	-0.10	...	2	1.28	1882
3753	9.0†	C. P. D. 59.2932...	56 48.760	+ 2.4553	+ 0.028	...	-59 28 30.38	-19.290	-0.09	...	2	2.30	1885
3754	8.5†	C. P. D. 56.4116...	57 28.450	+ 2.5235	+ 0.027	...	-56 43 34.93	-19.305	-0.09	...	2	1.34	1888
3755	8.0†	Lacaille 4569.....	57 44.107	+ 2.6703	+ 0.022	...	-48 15 38.02	-19.312	-0.10	...	3	2.35	1889
3756	6.7	Lacaille 4605.....	10 58 2.945	+ 0.8138	- 0.086	...	-81 1 15.12	-19.319	-0.02	...	2	1.35	1890
3757	10.0*	C. Z. X. 4162.....	10 58 21.835	+ 2.0395	+ 0.026	...	-71 1 33.27	-19.326	-0.07	...	2	2.30	1891
3758	6.3	Octantis.....	11 0 1.152	- 0.2490	- 0.322	- .057	-84 3 21.34	-19.364	+0.02	- .005	6 : 40	1.59 : 2.66	1897*
3759	8.3*	C. P. D. 43.5152...	11 2 9.280	+ 2.7553	+ 0.020	...	-43 31 34.00	-19.412	-0.09	...	2	1.33	1902
3760†	8.7†	C. P. D. 60.2556...	11 4 21.457	+ 2.4926	+ 0.032	...	-61 0 13.37	-19.459	-0.08	...	3	1.27	1911
3761	5.4	Lacaille 4629.....	11 4 24.127	+ 2.4833	+ 0.032	...	-61 24 19.27	-19.460	-0.08	...	3	1.70	1912
3762	8.7†	C. P. D. 59.3113...	6 16.390	+ 2.5337	+ 0.032	...	-60 2 31.64	-19.499	-0.08	...	2	1.26	1914
3763	8.4*	C. P. D. 49.4039...	7 1.465	+ 2.7152	+ 0.025	...	-49 23 35.91	-19.514	-0.08	...	2	1.35	1915
3764	8.8†	C. P. D. 58.3268...	7 47.095	+ 2.5843	+ 0.031	...	-58 15 37.60	-19.529	-0.08	...	2	1.33	1919
3765	7.7*	C. P. D. 40.5054...	10 45.085	+ 2.8249	+ 0.021	...	-40 57 53.74	-19.586	-0.08	...	2	1.26	1929

3730. 8.1, 10.6 1".0 236.
 3740. 8.8, 10.2 3".0 232.
 3760. 8.8, 11 1".6 192.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3766	6.3	Lacaille 4729.....	h m s 11 15 38.347	+ 1.7348	+ 0.020	...	-79° 7' 14".32	-19.672	-0.04	...	3	1.42	1937
3767	8.2‡	C. P. D. 58.3496...	16 30.505	+ 2.6664	+ 0.034	...	-58 9 22.67	-19.687	-0.06	...	2	2.27	1942
3768	8.8‡	C. P. D. 59.3389...	17 23.950	+ 2.6539	+ 0.036	...	-59 26 35.07	-19.702	-0.06	...	2	1.87	1945
3769	9.5*	C. Z. XI. 1191.....	17 49.480	+ 2.1662	+ 0.058	...	-74 53 48.62	-19.708	-0.05	...	2	2.30	1946
3770	8.0‡	C. P. D. 56.4444...	18 20.460	+ 2.6990	+ 0.034	...	-57 5 18.32	-19.717	-0.06	...	2	2.37	1950
3771*	9.1‡	Brisbane 3567.....	11 18 30.245	+ 1.8207	+ 0.028	...	-79 6 57.70	-19.719	-0.04	...	2	2.27	1953
3772	8.3‡	C. P. D. 60.2933...	21 31.740	+ 2.6679	+ 0.039	...	-61 5 48.68	-19.765	-0.06	...	2	1.42	1961
3773	7.8	Brisbane 3590.....	23 10.913	+ 2.7028	+ 0.039	...	-59 56 42.78	-19.789	-0.05	...	3	1.37	1967
3774	6.3	Lacaille 4765.....	24 12.720	+ 2.4355	+ 0.053	...	-71 55 22.49	-19.803	-0.05	...	3	1.70	1971
3775	8.3‡	C. P. D. 60.3034...	27 51.830	+ 2.7345	+ 0.042	...	-61 3 38.70	-19.850	-0.05	...	2	1.34	1977
3776	8.2‡	C. P. D. 52.4682...	11 29 53.790	+ 2.8444	+ 0.033	...	-52 28 32.74	-19.874	-0.05	...	2	1.42	1987
3777*	8.7‡	C. P. D. 62.2192...	34 35.750	+ 2.7907	+ 0.047	...	-62 17 56.35	-19.924	-0.04	...	2 : 1	1.42	1999
3778	5.0	Hydræ.....	35 14.733	+ 2.9744	+ 0.019	...	-34 11 25.26	-19.930	-0.04	...	3	1.70	2001
3779	8.5‡	C. P. D. 61.2551...	38 3.955	+ 2.8333	+ 0.048	...	-61 52 47.59	-19.955	-0.03	...	2	1.42	2008
3780	8.3‡	C. P. D. 55.4576...	38 24.235	+ 2.8856	+ 0.040	...	-56 1 57.26	-19.958	-0.03	...	2	1.84	2010
3781	8.5‡	C. P. D. 56.4720...	11 38 45.785	+ 2.8875	+ 0.040	...	-56 12 58.33	-19.961	-0.03	...	2	2.30	2011
3782	8.7‡	C. P. D. 61.2570...	39 9.815	+ 2.8481	+ 0.048	...	-61 34 58.02	-19.964	-0.03	...	2	1.42	2013
3783	8.6‡	C. P. D. 53.4730...	39 17.205	+ 2.9111	+ 0.036	...	-53 11 35.47	-19.965	-0.03	...	2	2.30	2014
3784	8.6‡	C. P. D. 52.4852...	41 2.645	+ 2.9270	+ 0.036	...	-52 45 37.17	-19.978	-0.03	...	2	1.42	2019
3785	9.1‡	C. Z. XI. 2793.....	41 24.400	+ 2.8009	+ 0.062	...	-68 14 29.37	-19.981	-0.02	...	2	2.27	2022
3786	9.0‡	C. P. D. 55.4764...	11 41 29.770	+ 2.9178	+ 0.039	...	-55 6 18.71	-19.982	-0.03	...	2	2.32	2023
3787	8.2‡	C. P. D. 61.2662...	42 27.615	+ 2.8811	+ 0.050	...	-61 52 49.50	-19.988	-0.02	...	2	1.42	2026
3788	9.5‡	C. Z. XI. 2939.....	43 37.030	+ 2.8422	+ 0.062	...	-67 28 11.71	-19.996	-0.02	...	2	2.32	2029
3789†	8.9‡	C. Z. XI. 2947.....	43 48.830	+ 2.9021	+ 0.049	...	-61 0 29.47	-19.997	-0.02	...	3	2.36	2030
3790	8.5‡	C. P. D. 52.4964...	47 38.475	+ 2.9777	+ 0.038	...	-52 43 0.66	-20.018	-0.02	...	2	1.42	2038
3791	8.1‡	C. P. D. 51.4554...	11 47 43.075	+ 2.9809	+ 0.037	...	-51 56 24.92	-20.018	-0.01	...	2	0.94	2039
3792†	7.8*	C. G. A. 16255....	49 45.617	+ 3.0189	+ 0.027	...	-41 50 17.82	-20.027	-0.01	...	3	1.10	2045
3793†	6.9	Lacaille 4936.....	49 58.047	+ 2.9871	+ 0.042	...	-55 32 3.19	-20.028	-0.01	...	3	1.70	2047
3794	6.9	Lacaille 4958.....	53 12.313	+ 3.0292	+ 0.033	...	-47 25 4.58	-20.038	0.00	...	3	0.77	2052
3795	9.6‡	C. Z. XI. 3610.....	53 53.663	+ 3.0218	+ 0.042	...	-54 48 2.42	-20.040	0.00	...	3	1.71	2053
3796	8.9‡	C. P. D. 55.4771...	11 54 49.635	+ 3.0277	+ 0.043	...	-55 54 55.44	-20.042	0.00	...	2	1.42	2058
3797	8.5‡	C. P. D. 53.4897...	11 56 27.990	+ 3.0447	+ 0.041	...	-53 16 43.45	-20.044	0.00	...	2	1.42	2065
3798	8.2‡	C. P. D. 62.2537...	11 57 22.720	+ 3.0429	+ 0.058	...	-62 30 48.97	-20.046	0.00	...	2	1.42	2067
3799	8.7‡	C. P. D. 61.2946...	12 0 11.115	+ 3.0743	+ 0.056	...	-61 12 18.93	-20.047	+0.01	...	2	1.42	2073
3800	8.5*	C. P. D. 50.4845...	12 2 21.315	+ 3.0891	+ 0.039	...	-50 44 39.98	-20.046	+0.01	...	2	1.42	2076
3801†	7.5*	Brisbane 3942.....	12 4 34.017	+ 3.1055	+ 0.040	...	-51 13 38.09	-20.043	+0.02	...	3	1.10	2081
3802	8.5‡	C. P. D. 63.2168...	4 55.390	+ 3.1309	+ 0.065	...	-63 53 2.39	-20.042	+0.02	...	2	1.42	2083
3803	8.3‡	C. G. A. 16677.....	7 42.908	+ 3.1560	+ 0.061	...	-61 45 23.61	-20.035	+0.02	...	4	1.63	2092
3804	8.5‡	C. P. D. 64.1823...	7 58.660	+ 3.1723	+ 0.071	...	-65 3 48.84	-20.035	+0.02	...	2	2.40	2094
3805	8.0‡	C. P. D. 52.5364...	8 42.055	+ 3.1386	+ 0.043	...	-52 35 13.05	-20.032	+0.03	...	2	2.32	2096

3771. C. G. A. 8‡, C. Z. 8‡ mag.
3789. 8.9 9.4, 5.1 327° 1882.
3793. 7.4, 7.9 2° 1 199 1897.

3777. One obs. in 1905 = 56".21.
3792. 8.5, 8.7 0".9 103° 1900.5.
3801. 7.7, 9.2 1° 39 1900.4.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3806	8.0†	C. P. D. 64.1839...	h m s 12 11 12.980	+ 3.2122	+ 0.072	...	-64° 56' 58".16	-20.023	+ 0.03	...	2	1.42	2102
3807	8.5†	C. Z. XII. 649.....	11 30.235	+ 3.4538	+ 0.214	...	-80 1 45.09	-20.022	+ 0.03	...	2	2.32	2104
3808	8.3†	C. P. D. 53.5061...	13 37.200	+ 3.1789	+ 0.045	...	-53 19 3.89	-20.011	+ 0.04	...	2	1.42	2110
3809	8.2†	C. P. D. 52.5467...	14 9.920	+ 3.1798	+ 0.044	...	-52 28 11.51	-20.009	+ 0.04	...	2	2.38	2111
3810	6.9	Lacaille 5094.....	14 27.133	+ 3.2327	+ 0.065	...	-62 17 55.74	-20.007	+ 0.04	...	3	2.41	2113
3811	8.2†	C. P. D. 64.1865...	12 14 29.650	+ 3.2491	+ 0.072	...	-64 27 30.67	-20.007	+ 0.04	...	2	2.40	2114
3812	8.7†	C. P. D. 56.5189...	16 0.995	+ 3.2160	+ 0.053	...	-56 59 53.74	-19.998	+ 0.04	...	2	1.42	2118
3813	9.2†	C. P. D. 52.5544...	17 37.265	+ 3.2077	+ 0.046	...	-52 49 38.54	-19.988	+ 0.04	...	2	2.32	2121
3814	6.4	Lacaille 5123.....	17 50.743	+ 3.3182	+ 0.084	- .136	-67 5 2.26	-19.986	+ 0.05	+ .16	3	1.10	2122†
3815	8.8†	C. P. D. 64.1889...	17 57.620	+ 3.2899	+ 0.073	...	-64 19 19.33	-19.985	+ 0.05	...	2	1.42	2123
3816	10.0†	C. P. D. 67.1944...	12 18 40.600	+ 3.3334	+ 0.086	...	-67 22 46.35	-19.980	+ 0.05	...	2	2.32	2128
3817	1.7	Crucis.....a	21 2.082	+ 3.3080	+ 0.069	- .0064	-62 32 41.69	-19.962	+ 0.05	- .039	4	1.69	2132*
3818	2.0	Crucis.....a	21 2.689	+ 3.3082	+ 0.069	- .0064	-62 32 43.00	-19.962	+ 0.05	- .039	5	2.38	2133*
3819	8.2†	C. P. D. 52.5616...	22 46.125	+ 3.2484	+ 0.047	...	-53 1 22.81	-19.948	+ 0.05	...	2	1.42	2140
3820	8.3†	C. P. D. 53.5169...	23 57.455	+ 3.2602	+ 0.048	...	-53 24 45.78	-19.937	+ 0.06	...	2	1.42	2145
3821	6.1	Lacaille 5186.....	12 26 15.828	+ 3.3716	+ 0.073	...	-62 57 13.34	-19.915	+ 0.06	...	6	2.05	2154
3822*	8.9*	C. P. D. 49.5257...	26 30.490	+ 3.2519	+ 0.042	...	-49 21 10.13	-19.913	+ 0.06	...	2	1.42	2157
3823	8.0†	C. P. D. 56.5285...	26 34.475	+ 3.3085	+ 0.055	...	-56 47 13.99	-19.912	+ 0.06	...	2	0.44	2158
3824	8.5†	C. P. D. 50.5300...	29 47.265	+ 3.2872	+ 0.045	...	-51 7 27.60	-19.878	+ 0.07	...	2	0.93	2164
3825	8.5†	C. P. D. 53.5754...	33 9.835	+ 3.3287	+ 0.049	...	-53 4 3.22	-19.837	+ 0.08	...	2	1.42	2171
3826	9.0†	C. Z. XII. 1921...	12 33 32.580	+ 3.9374	+ 0.208	- .23	-77 18 11.81	-19.833	+ 0.09	+ .34	2	2.38	2173†
3827	9.2†	C. G. A. 17211....	33 38.584	+ 3.4603	+ 0.077	...	-63 15 30.99	-19.831	+ 0.08	...	5	1.84	2175
3828	4.8	Lacaille 5231.....	34 27.687	+ 3.2370	+ 0.031	...	-39 26 13.22	-19.821	+ 0.08	...	3	2.05	2180
3829	8.2*	C. P. D. 49.5384...	35 59.245	+ 3.3182	+ 0.044	...	-49 37 56.27	-19.800	+ 0.08	...	2	0.94	2183
3830	6.5	Lacaille 5253.....	37 43.230	+ 3.4276	+ 0.062	...	-58 21 16.37	-19.776	+ 0.09	...	5	2.18	2185
3831	8.6†	C. P. D. 52.5837...	12 38 22.995	+ 3.3675	+ 0.050	...	-52 57 26.61	-19.766	+ 0.09	...	2	1.42	2189
3832	8.5†	C. P. D. 52.5849...	39 16.265	+ 3.3685	+ 0.049	...	-52 25 31.83	-19.753	+ 0.09	...	2	1.87	2192
3833	8.7†	C. P. D. 41.6091...	41 33.900	+ 3.2859	+ 0.034	...	-41 32 36.53	-19.718	+ 0.09	...	2	0.94	2196
3834	1.5	Crucis.....β	41 52.568	+ 3.4787	+ 0.066	- .0064	-59 8 31.58	-19.713	+ 0.10	- .033	6	2.22	2198*
3835	8.5†	C. P. D. 52.5919...	43 31.090	+ 3.4066	+ 0.051	...	-52 57 57.70	-19.686	+ 0.10	...	2	2.36	2206
3836	5.4	Octantis.....	12 44 27.122	+ 5.7872	+ 0.858	+ .036	-84 34 48.49	-19.671	+ 0.17	+ .024	24 : 60	1.58 : 2.24	2210*
3837	5.9	Lacaille 5293.....	45 22.182	+ 3.5236	+ 0.069	...	-59 47 6.42	-19.655	+ 0.11	...	5	2.20	2214
3838	7.5*	Piazzi XII. 197....	46 29.810	+ 3.2576	+ 0.027	...	-34 32 17.73	-19.636	+ 0.10	...	3	2.37	2216
3839	9.0†	C. P. D. 57.5768...	47 31.860	+ 3.5024	+ 0.063	...	-57 23 8.68	-19.617	+ 0.11	...	2	0.95	2220
3840	8.5†	C. P. D. 45.6111...	50 51.105	+ 3.3733	+ 0.040	...	-45 40 3.48	-19.555	+ 0.12	...	2	0.95	2228
3841	8.5†	C. P. D. 52.5655...	12 52 9.600	+ 3.4593	+ 0.051	...	-52 4 25.76	-19.530	+ 0.12	...	2	1.42	2232
3842	8.0†	C. P. D. 45.6167...	12 56 13.820	+ 3.4055	+ 0.041	...	-45 44 47.39	-19.446	+ 0.13	...	2	0.94	2242
3843*	8.5†	C. Z. XII. 3398....	12 59 26.800	+ 4.1440	+ 0.158	...	-72 15 45.11	-19.376	+ 0.16	...	2	2.36	2249
3844	8.5†	C. P. D. 58.4683...	13 0 20.320	+ 3.6525	+ 0.071	...	-59 3 34.46	-19.356	+ 0.15	...	2	1.42	2252
3845	9.5	C. Z. XII. 3521....	13 1 6.860	+ 3.4828	+ 0.047	...	-49 22 18.17	-19.338	+ 0.14	...	2	0.46	2258

3822. 1901, May 30, 8½; June 30, 9½ mag.

3843. 1902, April 30, 9.0; 1905, April 15, 8.5; C. Z. 8.0 mag.

3814. Proper Motion from Cincinnati Pub., 12.
3826. Proper Motion by Ristenpart.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3846	9°0*	C. P. D. 47°5869...	^h 2 ^m 51°045	+ 3°4655	+ 0°044	...	-47° 22' 23"29	-19°298	+0°14	...	2	1°42	2261
3847	8°5†	C. P. D. 52°6239...	3 57°600	+ 3°5587	+ 0°055	...	-52 52 43°62	-19°271	+0°15	...	2	2°42	2264
3848	8°5†	C. P. D. 53°5500...	5 59°05	+ 3°5809	+ 0°057	...	-53 38 1°96	-19°244	+0°15	...	2	1°42	2269
3849	8°5†	C. P. D. 64°2249...	6 11°210	+ 3°8797	+ 0°098	...	-64 45 34°83	-19°217	+0°17	...	2	2°36	2272
3850	9°7†	C. P. D. 58°4733...	6 15°505	+ 3°7075	+ 0°072	...	-59 2 34°01	-19°215	+0°16	...	2	0°94	2273
3851	9°0*	C. Z. XIII. 517....	^h 10 ^m 19°075	+ 4°2015	+ 0°143	...	-70 19 46°29	-19°111	+0°19	...	2	2°36	2280
3852	9°1*	C. P. D. 44°6297...	10 58°960	+ 3°4776	+ 0°041	...	-44 51 29°07	-19°093	+0°16	...	2	0°46	2283
3853	8°4†	C. P. D. 52°6400...	14 6°745	+ 3°6348	+ 0°057	...	-52 56 51°63	-19°008	+0°18	...	2	1°42	2292
3854	8°5†	C. P. D. 45°6350...	14 38°555	+ 3°5022	+ 0°042	...	-45 9 4°70	-18°993	+0°17	...	2	0°94	2294
3855	8°1†	C. P. D. 52°6416...	15 8°515	+ 3°6400	+ 0°057	...	-52 49 56°19	-18°979	+0°18	...	2	1°42	2295
3856	8°3*	C. P. D. 49°5979...	^h 15 ^m 11°810	+ 3°5708	+ 0°049	...	-49 10 28°26	-18°977	+0°18	...	2	0°46	2296
3857	7°3*	Lacaille 5503.....	16 10°363	+ 3°3843	+ 0°030	...	-35 35 15°72	-18°950	+0°17	...	3	1°10	2300
3858	8°8†	C. P. D. 58°4843...	17 36°865	+ 3°8107	+ 0°075	...	-58 58 56°61	-18°908	+0°19	...	2	0°46	2304
3859	9°1*	C. P. D. 43°6133...	19 8°785	+ 3°5001	+ 0°040	...	-43 24 1°80	-18°863	+0°18	...	2	0°94	2308
3860	6°8	Lacaille 5530.....	20 16°110	+ 3°5864	+ 0°048	...	-48 15 55°84	-18°830	+0°19	...	3	0°77	2314
3861	8°4†	C. P. D. 64°2408...	^h 20 ^m 27°950	+ 4°0386	+ 0°102	...	-64 33 36°82	-18°824	+0°21	...	2	1°92	2315
3862	9°0†	C. P. D. 52°6496...	20 39°170	+ 3°6825	+ 0°058	...	-52 56 55°84	-18°818	+0°19	...	2	2°42	2316
3863	8°7†	C. P. D. 53°5624...	22 1°045	+ 3°7164	+ 0°061	...	-53 59 25°12	-18°777	+0°20	...	2	0°94	2320
3864	7°9†	C. P. D. 52°6511...	22 26°965	+ 3°6896	+ 0°057	...	-52 41 19°08	-18°763	+0°20	...	2	1°42	2322
3865	8°5†	C. P. D. 58°4908...	23 57°460	+ 3°8656	+ 0°076	...	-58 53 24°10	-18°717	+0°21	...	1	1°42	2324
3866	5°6	Octantis.....	^h 24 ^m 42°018	+ 8°9112	+ 1°620	- 0°75	-85 16 24°58	-18°693	+0°48	- 0°23	28 : 54	1°53 : 2°09	2326*
3867	8°5†	C. P. D. 52°6535...	25 2°895	+ 3°7057	+ 0°057	...	-52 34 49°05	-18°682	+0°20	...	2	2°52	2327
3868	7°2*	Brisbane 4490.....	25 13°860	+ 4°3190	+ 0°135	...	-68 42 59°13	-18°676	+0°24	...	2	0°94	2330
3869	9°0†	C. P. D. 64°2448...	25 23°700	+ 4°0897	+ 0°102	...	-64 26 29°89	-18°671	+0°22	...	2	2°44	2331
3870	8°5†	C. P. D. 52°6544...	25 37°570	+ 3°7081	+ 0°057	...	-52 30 22°03	-18°664	+0°20	...	2	2°40	2333
3871	8°7†	C. P. D. 49°6188...	^h 28 ^m 29°435	+ 3°6585	+ 0°051	...	-49 21 8°33	-18°571	+0°21	...	2	0°46	2343
3872	8°8†	C. P. D. 52°6594...	29 39°890	+ 3°7414	+ 0°058	...	-52 42 15°91	-18°532	+0°22	...	2	2°45	2347
3873	8°3†	C. P. D. 56°5828...	29 48°690	+ 3°8542	+ 0°070	...	-56 51 46°52	-18°527	+0°22	...	2	2°50	2348
3874	8°2†	C. P. D. 52°6597...	29 52°450	+ 3°7308	+ 0°057	...	-52 12 5°26	-18°525	+0°22	...	2	0°45	2349
3875	9°0*	C. Z. XIII. 1672...	30 18°630	+ 5°7942	+ 0°411	...	-79 19 26°69	-18°510	+0°33	...	2	2°44	2350
3876	8°7†	C. P. D. 64°2486...	^h 30 ^m 22°385	+ 4°1677	+ 0°107	...	-64 53 10°68	-18°508	+0°24	...	2	2°45	2352
3877	7°8†	C. P. D. 52°6607...	30 26°040	+ 3°7462	+ 0°058	...	-52 40 48°76	-18°506	+0°22	...	2	0°92	2353
3878	8°7†	C. P. D. 64°2493...	31 21°700	+ 4°1819	+ 0°107	...	-64 56 33°22	-18°475	+0°24	...	2	2°42	2355
3879	8°7†	C. P. D. 52°6624...	31 51°690	+ 3°7605	+ 0°059	...	-52 51 1°00	-18°458	+0°22	...	2	1°92	2356
3880	7°7†	C. P. D. 64°2496...	32 0°285	+ 4°1518	+ 0°103	...	-64 11 6°07	-18°453	+0°24	...	2	1°42	2357
3881	8°0†	C. P. D. 53°5717...	^h 34 ^m 5°135	+ 3°7892	+ 0°060	...	-53 21 9°65	-18°381	+0°23	...	2	0°44	2367
3882	8°5†	C. P. D. 52°6715...	38 25°550	+ 3°7985	+ 0°058	...	-52 32 19°29	-18°226	+0°24	...	2	1°47	2375
3883	8°3†	C. P. D. 63°2942...	38 46°905	+ 4°1900	+ 0°100	...	-63 27 20°02	-18°213	+0°26	...	2	1°91	2377
3884	8°5†	C. P. D. 63°2951...	39 9°320	+ 4°1797	+ 0°099	...	-63 9 41°28	-18°200	+0°26	...	2	2°42	2380
3885	8°5†	C. P. D. 57°6259...	39 10°535	+ 3°9718	+ 0°075	...	-58 4 23°03	-18°199	+0°25	...	2	2°48	2381

No.	Mag.	Name.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3886	9·0†	C. P. D. 57·6272...	^{h m s} 13 40 22·695	^s + 3·9644	^s + 0·074	...	-57° 34' 13·12	-18·154	+0·25	...	2	1·47	2386
3887	8·0*	Brisbane 4636.....	42 42·783	+ 3·6775	+ 0·046	...	-46 15 48·73	-18·067	+0·24	...	2	1·78	2392
3888	8·3†	C. P. D. 56·5956...	43 39·880	+ 3·9634	+ 0·071	...	-56 45 21·43	-18·031	+0·26	...	2	1·42	2396
3889	7·6†	C. P. D. 62·3688...	45 17·325	+ 4·2000	+ 0·095	...	-62 16 46·26	-17·968	+0·28	...	2	1·42	2398
3890	9·0†	C. P. D. 55·5760...	45 39·770	+ 3·9270	+ 0·066	...	-55 10 38·32	-17·954	+0·26	...	2	1·52	2402
3891	7·8*	C. P. D. 50·6382...	^{h m s} 13 46 6·510	+ 3·8020	+ 0·055	...	-50 42 56·63	-17·936	+0·26	...	3	0·45	2404
3892	7·8*	C. P. D. 50·6397...	46 47·025	+ 3·8051	+ 0·055	...	-50 40 13·32	-17·910	+0·26	...	2	1·44	2405
3893	8·3*	C. P. D. 49·6448...	47 37·640	+ 3·7948	+ 0·053	...	-50 4 5·44	-17·877	+0·26	...	2	0·93	2408
3894	7·3*	C. G. A. 18852.....	47 43·342	+ 4·1572	+ 0·088	...	-60 50 29·87	-17·873	+0·28	...	6	1·96	2410
3895	8·1†	C. P. D. 54·5788...	48 18·950	+ 3·9406	+ 0·066	...	-54 58 55·12	-17·849	+0·27	...	2	0·94	2413
3896	9·0*	C. P. D. 50·6425...	^{h m s} 13 48 46·860	+ 3·8068	+ 0·054	...	-50 15 10·67	-17·831	+0·26	...	2	0·94	2417
3897*	8·5†	C. Z. XIII. 2946...	49 55·290	+ 4·9517	+ 0·186	...	-71 49 59·71	-17·785	+0·34	...	2	2·40	2420
3898	7·2*	Lacaille 5750.....	50 39·083	+ 3·9767	+ 0·068	...	-55 32 54·51	-17·755	+0·28	...	3	0·78	2422
3899	9·2†	C. P. D. 51·6474...	52 37·430	+ 3·8687	+ 0·058	...	-51 37 27·44	-17·675	+0·27	...	2	1·48	2427
3900	10·0†	C. P. D. 78·837....	53 9·410	+ 6·2923	+ 0·420	...	-78 52 18·92	-17·653	+0·44	...	2	2·42	2431
3901	7·7*	Brisbane 4719.....	^{h m s} 13 54 52·725	+ 4·1745	+ 0·084	...	-59 46 22·45	-17·581	+0·29	...	6	2·12	2438
3902	9·0*	C. Z. XIII. 3316...	^{h m s} 13 56 28·210	+ 5·7270	+ 0·297	...	-76 14 4·97	-17·513	+0·41	...	3	1·14	2442
3903*	0·9	Centauri.....	^{h m s} 13 56 45 *	+ 4·1963	+ 0·085	- 00·33	-59 53 25 *	-17·501	+0·30	- 0·33	6	2·12	2443*
3904	4·7	Centauri.....	^{h m s} 13 59 56·360	+ 3·6468	+ 0·038	...	-40 42 1·75	-17·364	+0·27	...	3	0·45	2452
3905	9·0†	C. P. D. 81·644....	14 0 21·380	+ 7·4597	+ 0·658	...	-81 19 2·15	-17·345	+0·55	...	2	2·42	2454
3906	8·9†	C. P. D. 63·3141...	14 1 10·940	+ 4·4373	+ 0·106	...	-63 42 51·23	-17·309	+0·33	...	2	1·42	2456
3907	7·8*	Lacaille 5834.....	5 41·377	+ 4·2282	+ 0·082	...	-58 55 7·90	-17·107	+0·33	...	6	2·12	2467
3908	8·5†	C. P. D. 57·6550...	7 31·240	+ 4·1990	+ 0·077	...	-57 55 58·20	-17·023	+0·33	...	2	0·94	2470
3909	8·5†	C. Z. XIV. 473....	9 44·465	+ 5·6953	+ 0·256	...	-74 42 55·05	-16·919	-0·45	...	2	2·44	2477
3910	7·5*	C. Z. XIV. 518....	10 45·695	+ 6·8759	+ 0·466	...	-79 15 17·49	-16·871	+0·55	...	2	2·40	2480
3911	8·9*	C. P. D. 42·6607...	^{h m s} 14 10 49·840	+ 3·7316	+ 0·040	...	-42 23 48·47	-16·868	+0·30	...	2	0·46	2481
3912	8·6†	C. P. D. 62·4049...	10 55·805	+ 4·4629	+ 0·099	...	-62 32 26·57	-16·863	+0·36	...	2	1·47	2482
3913	7·3*	Lacaille 5871.....	11 58·733	+ 4·2785	+ 0·081	...	-58 53 40·48	-16·814	+0·35	...	3	1·11	2488
3914	9·0†	C. P. D. 65·2696...	14 29·385	+ 4·7241	+ 0·122	...	-65 52 2·12	-16·693	+0·39	...	2	0·46	2495
3915	8·9†	C. P. D. 52·7173...	15 3·480	+ 4·0454	+ 0·061	...	-52 38 44·77	-16·665	+0·33	...	2	1·42	2498
3916	9·1†	C. P. D. 52·7174...	^{h m s} 14 15 7·155	+ 4·0421	+ 0·060	...	-52 32 23·65	-16·662	+0·33	...	2	1·96	2499
3917	7·8	C. G. A. 19504.....	19 28·874	+ 4·4119	+ 0·088	...	-60 18 3·67	-16·447	+0·37	...	5	1·30	2512
3918	8·6†	C. P. D. 62·4173...	24 35·030	+ 4·5912	+ 0·100	...	-62 34 13·46	-16·188	+0·40	...	2	0·46	2520
3919	8·5†	C. P. D. 63·3289...	25 0·425	+ 4·6825	+ 0·108	...	-63 51 28·57	-16·166	+0·41	...	2	0·94	2523
3920	8·9†	C. P. D. 64·2906...	26 10·950	+ 4·7134	+ 0·110	...	-64 7 50·50	-16·105	+0·42	...	2	1·48	2526
3921	7·8	C. G. A. 19668.....	^{h m s} 14 26 21·900	+ 4·4724	+ 0·088	...	-60 21 34·06	-16·096	+0·40	...	4	1·78	2528
3922	6·4	Lacaille 5973.....	27 49·110	+ 4·4404	+ 0·084	...	-59 34 31·42	-16·020	+0·40	...	4	1·50	2534
3923	9·0†	C. P. D. 60·5443...	28 21·305	+ 4·4892	+ 0·088	...	-60 22 7·44	-15·991	+0·40	...	2	0·95	2535
3924	9·2†	C. P. D. 53·7340...	29 23·350	+ 4·1511	+ 0·062	...	-53 4 26·79	-15·937	+0·37	...	2	0·46	2538
3925	9·0†	C. P. D. 61·4644...	29 40·380	+ 4·5529	+ 0·092	...	-61 15 24·74	-15·922	+0·41	...	2	1·47	2539

3897. C. Z. 9·5 mag.

3903. The separate observations are given in the Introduction.

No.	Mag.	Name.	Mean R.A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3926	8.2	C. P. D. 595662...	14 30 15.045	+ 4.4460	+ 0.083	...	-59 19 44.05	-15.891	+ 0.40	...	2	0.93	2540
3927	8.5	C. P. D. 652795...	30 32.870	+ 4.8795	+ 0.121	...	-65 41 46.39	-15.875	+ 0.44	...	2	1.54	2543
3928	9.2	C. P. D. 624216...	31 5.170	+ 4.6453	+ 0.099	...	-62 30 28.14	-15.846	+ 0.42	...	2	1.98	2545
3929	8.3	C. P. D. 556088...	31 22.965	+ 4.2483	+ 0.067	...	-55 6 53.13	-15.830	+ 0.39	...	2	2.40	2546
3930	6.7	Lacaille 5997	31 34.413	+ 4.4226	+ 0.080	...	-58 42 15.60	-15.820	+ 0.40	...	6	2.02	2547
3931*	2.7	Centauri (<i>pr.</i>).....	14 32 46 *	+ 4.5286	+ 0.080	- 48.49	-60 25 31*	-15.755	+ 0.37	+ 7.29	5	1.63	2549*
3932	9.1	C. P. D. 595682...	32 47.335	+ 4.4914	+ 0.085	...	-59 47 4.02	-15.755	+ 0.41	...	2	0.95	2550
3933*	0.2	Centauri (<i>seq.</i>).....	32 48 *	+ 4.5286	+ 0.080	- 48.49	-60 25 11*	-15.754	+ 0.37	+ 7.29	5	1.71	2551*
3934	8.2	C. P. D. 556106...	33 11.750	+ 4.4723	+ 0.068	...	-55 23 7.79	-15.732	+ 0.39	...	2	2.42	2552
3935	8.8	C. P. D. 633371...	33 45.080	+ 4.7696	+ 0.108	...	-63 55 6.00	-15.702	+ 0.44	...	2	2.47	2554
3936	8.8	C. P. D. 652839...	14 34 58.360	+ 4.8815	+ 0.117	...	-65 11 17.56	-15.636	+ 0.45	...	2	2.40	2557
3937	8.0	Lacaille 6023.....	35 15.895	+ 4.6333	+ 0.095	...	-61 46 43.27	-15.620	+ 0.43	...	4	1.78	2559
3938	8.8	C. P. D. 595696...	35 20.105	+ 4.5037	+ 0.084	...	-59 39 7.16	-15.616	+ 0.42	...	2	0.98	2560
3939	8.2	C. P. D. 556131...	35 43.710	+ 4.3153	+ 0.070	...	-55 57 24.16	-15.594	+ 0.40	...	2	2.44	2563
3940	8.9	C. P. D. 576759...	35 46.025	+ 4.3888	+ 0.076	...	-57 27 37.50	-15.592	+ 0.41	...	2	2.50	2564
3941	9.0	C. P. D. 614681...	14 36 55.315	+ 4.6471	+ 0.095	...	-61 46 34.32	-15.528	+ 0.44	...	2	2.46	2569
3942	8.6	C. P. D. 556138...	36 57.435	+ 4.2968	+ 0.068	...	-55 22 47.48	-15.526	+ 0.40	...	2	2.42	2570
3943	10.0	C. Z. XIV. 2225...	37 7.840	+ 4.9131	+ 0.118	...	-65 18 45.33	-15.517	+ 0.46	...	2	2.50	2571
3944	7.3	C. G. A. 19913.....	37 13.923	+ 4.6058	+ 0.091	...	-61 5 48.23	-15.511	+ 0.43	...	3	1.53	2572
3945	8.5	C. P. D. 624283...	38 14.105	+ 4.7478	+ 0.102	...	-63 4 10.41	-15.455	+ 0.45	...	2	2.42	2575
3946	9.2	C. P. D. 633402...	14 38 25.210	+ 4.8021	+ 0.107	...	-63 46 43.01	-15.445	+ 0.45	...	2	2.50	2576
3947	8.6	C. P. D. 633403...	38 42.610	+ 4.8261	+ 0.109	...	-64 3 20.16	-15.429	+ 0.46	...	2	3.56	2577
3948	6.5	Octantis.....	38 59.736	+ 4.7439	+ 8.794	- 180	-87 44 30.88	-15.413	+ 2.31	- 0.65	20 : 39	1.46 : 1.79	2578*
3949	8.0	C. G. A. 19959.....	39 15.288	+ 4.5813	+ 0.088	...	-60 26 38.16	-15.399	+ 0.43	...	4	1.27	2579
3950	8.5	C. P. D. 614717...	40 52.775	+ 4.6469	+ 0.092	...	-61 16 29.17	-15.307	+ 0.44	...	2	1.05	2587
3951*	8.7	C. P. D. 751032...	14 41 28.925	+ 6.5538	+ 0.306	...	-76 2 11.25	-15.273	+ 0.63	...	2	2.48	2588
3952	9.4	C. P. D. 595721...	41 35.615	+ 4.5419	+ 0.083	...	-59 29 9.35	-15.267	+ 0.44	...	2	1.00	2590
3953	6.8	C. P. D. 585726...	42 42.415	+ 4.4972	+ 0.079	...	-58 33 36.49	-15.203	+ 0.43	...	2	0.99	2592
3954	9.5	C. P. D. 634306...	42 57.510	+ 4.7900	+ 0.102	...	-63 4 45.66	-15.189	+ 0.46	...	2	1.53	2593
3955*	7.1	Brisbane 5072.....	45 15.236	+ 4.6274	+ 0.087	...	-60 25 55.34	-15.057	+ 0.45	...	7	1.07	2599
3956	8.3	C. P. D. 595744...	14 45 32.685	+ 4.5606	+ 0.082	...	-59 18 12.67	-15.040	+ 0.44	...	2	2.48	2601
3957	7.7	Brisbane 5071.....	45 43.293	+ 5.0590	+ 0.123	...	-66 0 16.07	-15.030	+ 0.49	...	3	1.77	2602
3958	9.2	C. P. D. 556231...	46 30.850	+ 4.3690	+ 0.068	...	-55 36 4.57	-14.984	+ 0.43	...	2	1.53	2607
3959	9.1	C. P. D. 643449...	47 28.845	+ 4.9087	+ 0.108	...	-64 5 30.03	-14.928	+ 0.48	...	2	1.53	2610
3960	8.5	C. P. D. 624340...	49 51.850	+ 4.7801	+ 0.096	...	-62 9 0.46	-14.788	+ 0.48	...	2	0.50	2618
3961	8.8	C. P. D. 527678...	14 52 28.835	+ 4.2663	+ 0.059	...	-52 34 48.77	-14.633	+ 0.43	...	2	0.52	2625
3962	9.0	C. P. D. 643072...	14 53 45.595	+ 4.9869	+ 0.109	...	-64 21 41.43	-14.556	+ 0.51	...	2	1.53	2631
3963	8.5	C. P. D. 605620...	14 57 4.890	+ 4.7117	+ 0.085	...	-60 21 30.67	-14.355	+ 0.49	...	2	0.46	2638
3964†	7.7	Brisbane 5224.....	15 7 18.230	+ 3.9946	+ 0.039	...	-43 25 6.67	-13.716	+ 0.43	...	3	0.52	2668
3965†	8.0	C. Z. XV. 443.....	15 8 40.823	+ 5.5241	+ 0.139	...	-68 12 40.09	-13.628	+ 0.60	...	3	0.81	2672

3951. Magnitude from Gilliss.
 3955. Cape and C. Z. 8.0 mag.
 3964. 8.3, 8.6 1" 5 207".
 3965. 8.3, 9.8 1" 5 5.

3931, 3933. The separate observations are given in the Introduction.

No.	Mag.	Name.	Mean R.A. 1900-0.	Procession 1900-0.	Sec. Var. 1900-0.	Proper Motion.	Mean Dec. 1900-0.	Procession 1900-0.	Sec. Var. 1900-0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
3966	6.2	Lacaille 6270.....	^h 8 ^m 56.247	+ 4.1506	+ 0.046	...	-47° 42' 5"03	-13.612	+0.45	...	3	0.83	2675
3967	8.4	C. P. D. 595881...	9 9.020	+ 4.7350	+ 0.079	...	-59 25 59.43	-13.598	+0.52	...	2	1.99	2676
3968	7.3	Lacaille 6274.....	9 19.760	+ 4.1512	+ 0.046	...	-47 40 23.22	-13.587	+0.45	...	3	1.20	2677
3969†	8.8	C. P. D. 595889...	10 11.655	+ 4.7800	+ 0.081	...	-59 59 44.52	-13.531	+0.52	...	2	1.99	2678
3970	8.6	C. P. D. 595897...	10 47.105	+ 4.7476	+ 0.079	...	-59 27 33.13	-13.493	+0.52	...	2	0.52	2680
3971	8.8	C. P. D. 556490...	^h 11 ^m 43.255	+ 4.4977	+ 0.063	...	-55 9 42.61	-13.432	+0.49	...	2	0.55	2683
3972	8.6	C. P. D. 517877...	14 4.630	+ 4.3146	+ 0.052	...	-51 7 59.62	-13.278	+0.48	...	2	0.50	2689
3973*	10.0	C. Z. XV. 798.....	14 26.955	+ 6.5014	+ 0.225	...	-73 42 2.82	-13.254	+0.72	...	2	2.44	2691
3974	8.4	C. P. D. 634477...	17 34.700	+ 5.0699	+ 0.095	...	-63 4 20.39	-13.047	+0.57	...	2	0.55	2698
3975	9.0	C. P. D. 605786...	18 56.285	+ 4.8453	+ 0.080	...	-60 5 32.70	-12.957	+0.54	...	2	2.02	2704
3976	8.5	C. P. D. 447399...	^h 15 ^m 20 ^s 6.185	+ 4.0702	+ 0.039	...	-44 15 16.57	-12.879	+0.46	...	2	1.00	2707
3977	5.6	Octantis.....	20 11.669	+ 13.0406	+ 1.401	+ 0.084	-84 7 54.54	-12.873	+1.46	+ 0.079	18 : 42	1.39 : 2.36	2709*
3978	8.6	C. P. D. 508139...	23 53.945	+ 4.3168	+ 0.048	...	-50 9 47.78	-12.623	+0.49	...	2	0.50	2716
3979	9.2	Briabane 5335 (seq)	25 12.380	+ 6.7140	+ 0.226	...	-74 1 1.98	-12.534	+0.77	...	3	1.86	2720
3980	9.5	C. Z. XV. 1565.....	26 10.580	+ 7.9462	+ 0.367	...	-77 52 52.30	-12.467	+0.91	...	2	2.44	2723
3981	9.2	C. P. D. 427131...	^h 15 ^m 33 ^s 22.940	+ 4.0620	+ 0.036	...	-42 42 36.43	-11.968	+0.48	...	2	0.55	2748
3982	8.5	C. P. D. 487838...	36 4.415	+ 4.2970	+ 0.043	...	-48 33 17.44	-11.778	+0.51	...	2	0.55	2758
3983	7.1	Lacaille 6465.....	36 40.153	+ 5.0252	+ 0.079	...	-60 58 39.39	-11.736	+0.60	...	3	0.46	2760
3984	8.8	C. P. D. 518507...	37 39.315	+ 4.4579	+ 0.050	...	-51 53 20.50	-11.666	+0.53	...	2	0.56	2764
3985	8.5	C. P. D. 566880...	37 53.905	+ 4.6939	+ 0.061	...	-56 8 52.09	-11.648	+0.56	...	2	1.52	2766
3986	8.9	C. P. D. 528843...	^h 15 ^m 38 ^s 19.650	+ 4.5042	+ 0.051	...	-52 44 33.04	-11.618	+0.54	...	2	0.55	2768
3987	8.7	C. P. D. 508554...	38 52.695	+ 4.4002	+ 0.047	...	-50 35 37.68	-11.579	+0.53	...	2	1.05	2771
3988	8.5	C. P. D. 407088...	39 25.860	+ 4.0122	+ 0.031	...	-40 41 56.71	-11.539	+0.48	...	2	0.99	2772
3989	8.5	C. P. D. 566903...	40 40.700	+ 4.7843	+ 0.062	...	-56 47 37.74	-11.450	+0.57	...	2	0.50	2775
3990	9.1	C. P. D. 498610...	41 53.190	+ 4.3487	+ 0.043	...	-49 13 7.03	-11.363	+0.53	...	2	1.04	2779
3991	8.4	C. P. D. 498611...	^h 15 ^m 41 ^s 55.033	+ 4.3475	+ 0.044	...	-49 11 22.65	-11.360	+0.53	...	3	0.53	2780
3992	9.5	C. P. D. 508725...	45 26.085	+ 4.4254	+ 0.045	...	-50 34 13.99	-11.106	+0.54	...	2	0.50	2786
3993	8.5	C. P. D. 437346...	45 37.640	+ 4.1313	+ 0.034	...	-43 34 8.77	-11.092	+0.51	...	2	0.56	2787
3994	8.5	C. P. D. 508767...	47 12.360	+ 4.4370	+ 0.045	...	-50 39 58.49	-10.976	+0.55	...	2	0.56	2791
3995	10.5	C. P. D. 86326...	47 14.550	+ 21.8736	+ 3.637	...	-86 35 44.44	-10.974	+2.67	...	2	2.48	2792
3996*	8.4	C. P. D. 437377...	^h 15 ^m 48 ^s 52.340	+ 4.1287	+ 0.033	...	-43 13 58.85	-10.854	+0.51	...	2	0.56	2800
3997	8.5	C. P. D. 577363...	49 2.325	+ 4.8224	+ 0.061	...	-57 17 13.53	-10.842	+0.59	...	2	1.52	2801
3998	8.0	C. P. D. 577377...	49 43.690	+ 4.8750	+ 0.063	...	-58 0 13.64	-10.791	+0.60	...	2	1.04	2804
3999	9.5	C. Z. XV. 3443...	50 53.333	+ 4.2739	+ 0.038	...	-46 45 38.85	-10.705	+0.53	...	3	1.15	2806
4000	8.2	C. P. D. 567141...	51 36.365	+ 4.7817	+ 0.058	...	-56 28 56.75	-10.652	+0.60	...	2	0.56	2808
4001	8.5	C. P. D. 625109...	^h 15 ^m 53 ^s 30.485	+ 5.2684	+ 0.080	...	-62 36 26.31	-10.511	+0.66	...	2	0.55	2814
4002	8.5	C. P. D. 625113...	53 39.635	+ 5.2537	+ 0.079	...	-62 26 23.37	-10.500	+0.66	...	2	0.52	2816
4003	8.0	C. P. D. 498886...	55 16.870	+ 4.4338	+ 0.042	...	-49 58 33.03	-10.379	+0.56	...	2	1.04	2821
4004	8.3	C. P. D. 546993...	57 6.170	+ 4.7048	+ 0.052	...	-54 51 50.13	-10.242	+0.59	...	2	0.55	2824
4005	8.9	C. P. D. 567278...	58 35.780	+ 4.8121	+ 0.055	...	-56 27 34.61	-10.129	+0.61	...	2	0.56	2828

3969. 8.8, 9.6 3"3 342°.

3973. The two observations of Dec. differ 3".8. 1905 July 9 = 2".27.

3996. Cape 8½, 8½, Cor. D. 9.5 mag.

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4006	8.1*	C. P. D. 50°8947...	^{h m s} 15 58 52.300	^s + 4.4525	^s + 0.041	...	-50° 6' 3.52	-10.109	+0.56	...	2	0.47	2829
4007	8.5†	C. P. D. 53°7081...	15 59 15.090	+ 4.6366	+ 0.048	...	-53 33 19.97	-10.080	+0.59	...	2	0.55	2832
4008	8.5†	C. P. D. 56°7333...	16 1 7.995	+ 4.8349	+ 0.055	...	-56 38 3.94	-9.937	+0.62	...	2	0.47	2839
4009	8.5†	C. P. D. 58°6661...	16 2 23.110	+ 4.9728	+ 0.060	...	-58 30 26.21	-9.842	+0.64	...	2	0.55	2845
4010	8.0†	C. P. D. 57°7648...	16 2 47.435	+ 4.8907	+ 0.057	...	-57 20 36.56	-9.811	+0.63	...	2	0.56	2847
4011	9.0†	C. P. D. 55°7171...	16 3 8.965	+ 4.7621	+ 0.051	...	-55 22 56.53	-9.784	+0.61	...	2	0.47	2848
4012	8.5†	C. P. D. 54°7171...	3 51.120	+ 4.7005	+ 0.048	...	-54 20 6.97	-9.730	+0.60	...	2	1.04	2849
4013	8.2†	C. P. D. 62°5229...	5 31.170	+ 5.3271	+ 0.074	...	-62 30 47.05	-9.602	+0.69	...	2	0.55	2854
4014	8.9†	C. P. D. 52°9410...	7 29.840	+ 4.6339	+ 0.044	...	-52 57 20.41	-9.450	+0.60	...	2	0.56	2861
4015	8.5†	C. P. D. 60°6482...	8 6.270	+ 5.1425	+ 0.064	...	-60 18 37.07	-9.403	+0.67	...	2	0.56	2866
4016	9.4†	C. Z. XVI. 533....	16 9 17.927	+ 4.4333	+ 0.037	...	-48 59 26.72	-9.311	+0.58	...	3	1.17	2873
4017	9.0*	C. Z. XVI. 553....	10 15.440	+ 5.9715	+ 0.103	...	-67 44 57.00	-9.237	+0.78	...	2	2.50	2875
4018	8.7†	C. P. D. 62°5274...	10 19.950	+ 5.3403	+ 0.071	...	-62 23 15.01	-9.231	+0.70	...	2	1.04	2876
4019	8.3†	C. P. D. 52°9490...	10 26.910	+ 4.6182	+ 0.043	...	-52 29 19.83	-9.222	+0.60	...	2	0.56	2877
4020	8.9†	C. P. D. 57°7809...	10 29.315	+ 4.9633	+ 0.055	...	-57 53 17.33	-9.219	+0.65	...	2	1.53	2878
4021	8.1†	C. P. D. 52°9535...	16 11 33.890	+ 4.6204	+ 0.042	...	-52 27 33.93	-9.135	+0.60	...	2	1.04	2881
4022	9.0†	C. P. D. 52°9536...	11 34.795	+ 4.6393	+ 0.043	...	-52 47 40.97	-9.134	+0.60	...	2	2.50	2882
4023	9.4†	C. P. D. 52°9555...	11 50.355	+ 4.6427	+ 0.043	...	-52 50 19.69	-9.113	+0.61	...	2	2.55	2883
4024	9.0	C. P. D. 63°3888...	11 54.560	+ 5.4577	+ 0.076	...	-63 28 32.88	-9.108	+0.71	...	2	1.53	2884
4025	9.4†	C. P. D. 63°3893...	12 52.375	+ 5.4472	+ 0.074	...	-63 19 32.83	-9.033	+0.71	...	2	0.55	2886
4026	8.1†	C. P. D. 57°7929...	16 13 46.870	+ 4.9363	+ 0.052	...	-57 19 37.63	-8.962	+0.64	...	3	0.53	2889
4027	9.0*	C. P. D. 50°9290...	14 28.560	+ 4.5036	+ 0.037	...	-50 5 12.26	-8.907	+0.59	...	2	2.02	2890
4028	9.0†	C. P. D. 62°5308...	15 2.375	+ 5.3950	+ 0.070	...	-62 42 8.06	-8.863	+0.71	...	2	1.04	2894
4029	8.5†	C. P. D. 64°3479...	16 28.085	+ 5.5839	+ 0.078	...	-64 25 5.89	-8.751	+0.74	...	2	0.56	2897
4030	8.3*	C. P. D. 48°8446...	17 34.010	+ 4.4282	+ 0.034	...	-48 22 4.51	-8.664	+0.59	...	2	0.47	2900
4031	9.5†	C. Z. XVI. 1088...	16 18 14.220	+ 6.4383	+ 0.120	...	-70 16 29.52	-8.612	+0.85	...	2	2.50	2901
4032	9.2†	C. P. D. 52°9840...	19 33.230	+ 4.6451	+ 0.040	...	-52 25 30.31	-8.507	+0.62	...	2	1.52	2906
4033	8.5†	C. P. D. 62°5342...	19 33.845	+ 5.4389	+ 0.069	...	-62 55 2.41	-8.507	+0.72	...	2	1.04	2907
4034	9.5†	C. P. D. 60°6535...	20 20.505	+ 5.1962	+ 0.058	...	-60 17 13.06	-8.445	+0.69	...	2	2.06	2911
4035	8.7†	C. P. D. 56°7710...	20 21.615	+ 4.9003	+ 0.048	...	-56 27 9.22	-8.443	+0.65	...	2	2.50	2912
4036	8.9†	C. P. D. 56°7716...	16 20 45.940	+ 4.9032	+ 0.048	...	-56 28 21.25	-8.411	+0.65	...	2	2.50	2913
4037	9.5†	C. P. D. 61°5698...	20 51.870	+ 5.3527	+ 0.064	...	-61 59 1.17	-8.403	+0.71	...	2	2.55	2914
4038	6.0	Lacaille 6827.....	21 24.630	+ 4.9814	+ 0.050	...	-57 32 0.40	-8.360	+0.66	...	2	1.02	2918
4039	9.1†	C. P. D. 64°3503...	21 52.865	+ 5.6794	+ 0.077	...	-64 59 50.74	-8.323	+0.76	...	2	2.59	2919
4040	8.5†	C. P. D. 52°9890...	22 17.790	+ 4.6759	+ 0.039	...	-52 48 25.89	-8.290	+0.63	...	2	2.56	2920
4041	6.5	Lacaille 6441.....	16 22 51.690	+ 29.8263	+ 4.962	...	-87 23 34.57	-8.245	+3.97	...	2	2.56	2922
4042	6.2	Lacaille 6545.....	23 34.264	+ 21.3352	+ 2.353	+ .001	-86 10 42.81	-8.188	+2.84	+ .012	23 : 47	1.12 : 1.65	2925*
4043	9.1†	C. P. D. 54°7736...	23 42.935	+ 4.8051	+ 0.043	...	-54 50 50.05	-8.176	+0.64	...	2	2.55	2926
4044	7.8*	C. P. D. 49°9394...	24 38.500	+ 4.5307	+ 0.034	...	-50 1 54.19	-8.102	+0.61	...	2	1.52	2931
4045	9.5†	C. P. D. 60°6562...	24 41.380	+ 5.2551	+ 0.058	...	-60 44 54.28	-8.099	+0.70	...	2	2.59	2932

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900.0.	Ledger 1900.0.
4046	10.0†	C. P. D. 87.260....	^h 16 ^m 26 ^s 2.880	+ 34.0111	+ 6.343	...	-87° 43' 52.56"	- 7.990	+ 4.55	...	2	2.50	2939
4047	9.1†	C. P. D. 59.6803...	32 49.545	+ 5.1998	+ 0.051	...	-59 44 46.08	- 7.443	+ 0.71	...	2	1.48	2955
4048	9.4†	C. P. D. 59.6804...	33 10.950	+ 5.1501	+ 0.049	...	-59 8 16.44	- 7.413	+ 0.70	...	2	2.55	2956
4049	9.3*	C. P. D. 48.8743...	35 4.240	+ 4.4968	+ 0.030	...	-48 49 48.23	- 7.260	+ 0.62	...	2	1.49	2960
4050	8.5†	C. P. D. 64.3553...	35 32.865	+ 5.7314	+ 0.068	...	-64 52 49.49	- 7.221	+ 0.78	...	2	2.55	2963
4051	8.5†	C. P. D. 46.8156...	16 36 12.430	+ 4.3944	+ 0.027	...	-46 38 55.97	- 7.167	+ 0.60	...	2	2.02	2967
4052	9.3*	C. P. D. 47.7860...	36 44.540	+ 4.4251	+ 0.027	...	-47 16 46.53	- 7.123	+ 0.61	...	2	1.00	2968
4053	8.0*	C. P. D. 41.7651...	43 1.785	+ 4.1865	+ 0.021	...	-41 26 44.56	- 6.607	+ 0.58	...	2	0.52	2979
4054	8.5†	C. P. D. 41.7666...	44 35.125	+ 4.1954	+ 0.020	...	-41 36 16.22	- 6.478	+ 0.58	...	2	0.60	2988
4055	9.0†	C. P. D. 50.9720...	44 59.405	+ 4.5982	+ 0.028	...	-50 19 45.27	- 6.444	+ 0.64	...	2	0.99	2990
4056	9.0†	C. P. D. 48.8880...	16 45 13.805	+ 4.5096	+ 0.026	...	-48 37 34.39	- 6.425	+ 0.62	...	2	1.04	2992
4057	9.0†	C. P. D. 59.6854...	45 29.555	+ 5.1915	+ 0.042	...	-59 8 16.27	- 6.403	+ 0.72	...	2	1.54	2994
4058	8.8†	C. P. D. 64.3579...	46 5.405	+ 5.7510	+ 0.060	...	-64 40 34.13	- 6.354	+ 0.80	...	2	2.02	2995
4059	8.4†	C. P. D. 41.7703...	46 51.315	+ 4.1902	+ 0.020	...	-41 22 41.62	- 6.290	+ 0.58	...	2	1.07	2997
4060	8.0†	C. P. D. 40.7569...	47 4.340	+ 4.1513	+ 0.019	...	-40 21 59.61	- 6.272	+ 0.58	...	2	1.06	2998
4061	8.3†	C. P. D. 63.4035...	16 47 35.140	+ 5.6798	+ 0.056	...	-64 1 33.13	- 6.229	+ 0.79	...	2	1.53	3000
4062	8.9†	C. P. D. 61.5810...	47 45.390	+ 5.4452	+ 0.049	...	-61 49 57.74	- 6.215	+ 0.76	...	2	2.51	3001
4063	9.2*	C. P. D. 42.7562...	49 3.950	+ 4.2363	+ 0.020	...	-42 26 29.91	- 6.106	+ 0.59	...	2	1.08	3008
4064	8.0†	C. P. D. 40.7633...	49 20.800	+ 4.1536	+ 0.018	...	-40 20 5.33	- 6.083	+ 0.58	...	2	0.56	3009
4065*	9.1†	C. P. D. 59.6871...	49 35.085	+ 5.2696	+ 0.043	...	-59 53 49.33	- 6.063	+ 0.73	...	2	1.52	3010
4066	9.2†	C. P. D. 58.6950...	16 50 11.825	+ 5.1387	+ 0.039	...	-58 19 32.86	- 6.012	+ 0.72	...	2	2.02	3011
4067	9.2†	C. P. D. 59.6874...	51 1.320	+ 5.2462	+ 0.041	...	-59 34 52.30	- 5.943	+ 0.73	...	2	1.00	3015
4068	8.5†	C. P. D. 65.3387...	51 41.300	+ 5.8364	+ 0.057	...	-65 11 39.12	- 5.887	+ 0.82	...	2	2.02	3017
4069	8.6†	C. P. D. 52.10378..	52 4.143	+ 4.7536	+ 0.029	...	-52 45 23.37	- 5.855	+ 0.66	...	3	1.21	3019
4070	9.0†	C. P. D. 58.6959...	52 14.870	+ 5.1290	+ 0.037	...	-58 7 59.37	- 5.840	+ 0.72	...	2	2.55	3020
4071	8.4†	C. P. D. 60.6690...	16 54 53.330	+ 5.3025	+ 0.040	...	-60 5 28.77	- 5.619	+ 0.74	...	2	1.04	3028
4072	8.0*	C. Z. XVI. 3834...	16 56 51.195	+ 7.7566	+ 0.123	...	-74 38 52.97	- 5.454	+ 1.09	...	2	2.51	3035
4073	8.5†	C. P. D. 58.6998...	16 59 13.025	+ 5.1408	+ 0.034	...	-58 3 21.68	- 5.254	+ 0.73	...	2	1.04	3042
4074	5.9	Lacaille 7107.....	17 3 4.290	+ 6.1344	+ 0.056	...	-67 4 9.41	- 4.928	+ 0.87	...	3	0.91	3048
4075	8.5†	C. P. D. 58.7012...	17 4 13.420	+ 5.1518	+ 0.031	...	-58 2 46.57	- 4.831	+ 0.73	...	2	1.54	3050
4076	8.4†	C. P. D. 49.9821...	17 6 54.430	+ 4.5737	+ 0.020	...	-49 5 41.01	- 4.603	+ 0.65	...	2	1.04	3060
4077	8.5†	C. P. D. 61.5856...	7 25.830	+ 5.4501	+ 0.035	...	-61 18 25.54	- 4.558	+ 0.78	...	2	1.54	3062
4078	8.1†	C. P. D. 51.10243..	7 31.240	+ 4.6983	+ 0.022	...	-51 19 23.46	- 4.550	+ 0.67	...	2	1.07	3063
4079	9.0†	C. P. D. 64.3615...	7 39.320	+ 5.8169	+ 0.043	...	-64 37 27.92	- 4.539	+ 0.83	...	2	1.15	3066
4080	8.8†	C. P. D. 58.7041...	8 31.235	+ 5.2344	+ 0.030	...	-58 55 36.86	- 4.465	+ 0.75	...	2	1.53	3068
4081	7.1*	Lacaille 7127.....	17 9 10.647	+ 8.0188	+ 0.108	...	-75 14 4.60	- 4.409	+ 1.14	...	3	0.88	3071
4082	8.4†	C. P. D. 47.8175...	10 54.905	+ 4.5219	+ 0.018	...	-47 59 7.14	- 4.261	+ 0.65	...	2	0.64	3076
4083	10.0†	C. Z. XVII. 508...	11 17.870	+ 8.2624	+ 0.112	...	-75 52 17.93	- 4.228	+ 1.18	...	2	2.50	3077
4084	8.0†	C. P. D. 48.9112...	11 25.960	+ 4.5536	+ 0.018	...	-48 35 16.44	- 4.216	+ 0.65	...	2	0.56	3079
4085	9.0*	C. Z. XVII. 708....	12 59.555	+ 6.2830	+ 0.049	...	-67 49 39.94	- 4.083	+ 0.90	...	2	2.50	3085

4065. 1905 July 8, 8½; July 12, 9½ mag.

No.	Mag.	Name.	Mean R.A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4086	8.7*	C. P. D. 50°1001...	h m s 17 13 5.975	+ 4.6633	+ 0.019	...	-50° 33' 43.88	- 4.074	+ 0.67	...	2	1.08	3086
4087	8.7†	C. P. D. 65°3436...	13 12.570	+ 5.9904	+ 0.042	...	-65 50 40.95	- 4.064	+ 0.86	...	2	1.54	3087
4088	8.5†	C. P. D. 62°5544...	13 36.530	+ 5.6410	+ 0.035	...	-62 59 37.57	- 4.030	+ 0.81	...	2	1.58	3088
4089	8.1†	C. P. D. 61°5902...	13 55.850	+ 5.4971	+ 0.032	...	-61 37 43.21	- 4.003	+ 0.79	...	2	0.56	3090
4090	8.9†	C. P. D. 61°5913...	15 11.330	+ 5.4905	+ 0.031	...	-61 32 9.81	- 3.895	+ 0.79	...	2	0.64	3093
4091	5.5	Aræ.....	17 15 45.647	+ 4.4972	+ 0.016	...	-47 22 11.81	- 3.846	+ 0.64	...	3	1.23	3094
4092	8.2†	C. P. D. 65°3445...	16 16.705	+ 5.9133	+ 0.038	...	-65 12 31.39	- 3.801	+ 0.85	...	2	1.06	3097
4093	8.5†	C. P. D. 64°3630...	16 59.930	+ 5.8163	+ 0.036	...	-64 25 42.68	- 3.739	+ 0.83	...	2	0.60	3100
4094	9.0†	C. P. D. 49°9963...	17 14.170	+ 4.6110	+ 0.017	...	-49 31 15.00	- 3.719	+ 0.66	...	2	1.08	3104
4095*	8.5†	C. P. D. 44°8484...	18 55.360	+ 4.3629	+ 0.013	...	-44 27 48.46	- 3.574	+ 0.62	...	2	1.08	3108
4096	8.5†	C. P. D. 57°8546...	17 19 17.390	+ 5.1759	+ 0.023	...	-57 58 51.08	- 3.542	+ 0.74	...	2	0.56	3109
4097	9.2*	C. P. D. 47°8309...	19 41.220	+ 4.4956	+ 0.014	...	-47 14 49.02	- 3.508	+ 0.65	...	2	1.60	3110
4098	8.7†	C. P. D. 42°7799...	23 28.645	+ 4.3020	+ 0.011	...	-42 58 55.02	- 3.181	+ 0.62	...	2	0.60	3118
4099	8.9†	C. P. D. 64°3644...	25 54.325	+ 5.8488	+ 0.029	...	-64 32 39.76	- 2.971	+ 0.84	...	2	0.56	3124
4100	8.3†	C. P. D. 44°8611...	27 41.340	+ 4.3575	+ 0.011	...	-44 9 59.50	- 2.817	+ 0.63	...	2	0.64	3128
4101	8.2†	C. P. D. 52°10742...	17 30 34.920	+ 4.8221	+ 0.014	...	-52 51 20.44	- 2.566	+ 0.70	...	2	1.08	3131
4102†	7.2*	Lacaille 7357.....	31 0.813	+ 4.1005	+ 0.008	...	-37 47 45.23	- 2.529	+ 0.59	...	3	0.89	3132
4103	8.4†	C. P. D. 52°10760...	32 21.420	+ 4.8167	+ 0.013	...	-52 44 40.89	- 2.412	+ 0.70	...	2	0.64	3139
4104	8.0†	C. P. D. 52°10767...	32 49.445	+ 4.8061	+ 0.013	...	-52 34 8.26	- 2.371	+ 0.70	...	2	1.54	3142
4105	8.9*	C. P. D. 46°8802...	32 51.695	+ 4.4693	+ 0.010	...	-46 28 17.34	- 2.368	+ 0.65	...	2	0.56	3144
4106†	8.0†	C. P. D. 54°8468...	*7 36 51.870	+ 4.9083	+ 0.012	...	-54 5 14.82	- 2.020	+ 0.71	...	2	0.60	3152
4107	8.5†	C. P. D. 58°7247...	36 55.670	+ 5.2794	+ 0.014	...	-58 55 59.97	- 2.015	+ 0.76	...	2	1.10	3153
4108	8.7†	C. P. D. 52°10836...	38 46.045	+ 4.7954	+ 0.010	...	-52 19 18.33	- 1.854	+ 0.69	...	2	1.05	3160
4109	8.5†	C. P. D. 52°10844...	39 9.010	+ 4.7976	+ 0.010	...	-52 21 9.07	- 1.821	+ 0.69	...	2	1.14	3162
4110	9.5†	C. P. D. 67°3367...	39 40.605	+ 6.2778	+ 0.021	...	-67 26 52.01	- 1.775	+ 0.91	...	2	2.60	3163
4111†	9.4†	C. P. D. 40°8101...	*7 40 58.703	+ 4.1939	+ 0.006	...	-40 6 4.43	- 1.662	+ 0.61	...	3	1.25	3166
4112	8.5†	C. P. D. 41°8262...	41 54.745	+ 4.2584	+ 0.006	...	-41 40 40.50	- 1.580	+ 0.62	...	2	0.64	3169
4113	8.0†	C. P. D. 54°8510...	41 57.345	+ 4.9125	+ 0.009	...	-54 5 44.72	- 1.577	+ 0.71	...	2	1.11	3170
4114	8.5†	C. P. D. 54°8515...	42 25.415	+ 4.9268	+ 0.009	...	-54 18 3.13	- 1.536	+ 0.71	...	2	1.66	3171
4115	8.4†	C. P. D. 54°8520...	42 52.675	+ 4.9223	+ 0.009	...	-54 13 55.86	- 1.496	+ 0.71	...	2	1.60	3173
4116	8.7†	C. P. D. 48°9534...	*7 44 2.340	+ 4.5612	+ 0.007	...	-48 9 24.01	- 1.395	+ 0.66	...	2	0.60	3179
4117	8.8†	C. P. D. 57°8775...	44 50.160	+ 5.2005	+ 0.009	...	-57 55 44.60	- 1.325	+ 0.76	...	2	0.66	3182
4118	8.5†	C. P. D. 51°10648...	45 33.410	+ 4.7623	+ 0.007	...	-51 43 5.99	- 1.262	+ 0.69	...	2	1.11	3185
4119†	8.5†	C. P. D. 57°8803...	48 52.710	+ 5.1793	+ 0.007	...	-57 38 39.36	- 0.972	+ 0.75	...	2	1.11	3197
4120	8.5†	C. P. D. 55°8388...	50 4.805	+ 4.9897	+ 0.006	...	-55 8 54.64	- 0.867	+ 0.73	...	2	2.13	3199
4121	8.5†	C. P. D. 47°8602...	17 50 31.775	+ 4.5554	+ 0.004	...	-48 0 8.30	- 0.828	+ 0.66	...	2	1.17	3205
4122	8.5†	C. P. D. 51°10701...	53 17.940	+ 4.7714	+ 0.004	...	-51 49 26.18	- 0.586	+ 0.69	...	2	0.67	3211
4123	8.5†	C. P. D. 51°10703...	53 22.705	+ 4.7676	+ 0.004	...	-51 45 45.57	- 0.579	+ 0.69	...	2	0.56	3212
4124	9.1†	C. P. D. 58°7320...	54 23.100	+ 5.2898	+ 0.004	...	-58 55 54.03	- 0.491	+ 0.77	...	2	1.66	3219
4125	5.2	Octantis.....	56 4.101	+ 35.8329	+ 0.268	- 105.	-87 39 51.63	- 0.344	+ 5.22	- 124	19 : 44	1.34 : 1.99	3225*

4095. Cor. D. 9.3 mag.
4102. 7.3, 9.8 1" 2 113°.
4106. 8.0, 9.2 3 110.

4111. 9.4, 10 4" 9 256°.
4119. 8.5, 9.1 4 4 14.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4126	8.0†	C. P. D. 48.9638...	h m s 17 56 11.870	+ 4.6057	+ 0.003	...	-48° 55' 52.35	- 0.333	+ 0.67	...	2	0.56	3226
4127	8.5†	C. P. D. 52.10978...	17 56 35.960	+ 4.7981	+ 0.003	...	-52 14 55.83	- 0.297	+ 0.70	...	2	1.17	3227
4128	9.0†	C. P. D. 59.7227...	17 59 49.540	+ 5.3198	+ 0.001	...	-59 15 44.53	- 0.015	+ 0.77	...	2	1.16	3238
4129	9.5†	C. P. D. 71.2263...	18 0 19.130	+ 6.9633	0.000	...	-71 2 37.85	+ 0.028	+ 1.02	...	2	2.62	3239
4130	9.0†	C. P. D. 59.7230...	18 1 9.265	+ 5.3786	0.000	...	-59 54 31.72	+ 0.101	+ 0.78	...	2	2.59	3242
4131	8.5†	C. P. D. 60.7006...	18 1 35.713	+ 5.3988	0.000	...	-60 7 30.95	+ 0.140	+ 0.79	...	3	1.29	3244
4132	8.0†	C. P. D. 42.8325...	2 35.770	+ 4.2933	+ 0.001	...	-42 25 4.38	+ 0.227	+ 0.63	...	2	0.62	3248
4133	8.7†	C. P. D. 60.7010...	3 4.905	+ 5.3917	- 0.001	...	-60 3 5.65	+ 0.270	+ 0.79	...	2	2.13	3252
4134	9.1†	C. P. D. 65.3627...	3 14.150	+ 6.0374	- 0.002	...	-65 44 24.50	+ 0.283	+ 0.88	...	2	2.12	3253
4135	8.7†	C. P. D. 58.7353...	3 39.450	+ 5.2660	- 0.001	...	-58 39 8.93	+ 0.320	+ 0.77	...	3	1.28	3255
4136	9.2†	C. P. D. 55.8543...	18 4 38.430	+ 4.9952	- 0.001	...	-55 12 20.31	+ 0.406	+ 0.73	...	2	1.11	3256
4137	8.7†	C. Z. XVIII. 234..	5 31.740	+ 4.9378	- 0.001	...	-54 23 22.25	+ 0.484	+ 0.72	...	4	1.13	3260
4138†	7.2*	Lacaille 7593.....	7 36.887	+ 5.1041	- 0.003	...	-56 40 42.81	+ 0.666	+ 0.74	...	3	0.63	3264
4139	8.8†	C. P. D. 62.5827...	9 3.713	+ 5.6805	- 0.006	...	-62 53 16.27	+ 0.793	+ 0.83	...	3	1.28	3270
4140	8.5†	C. P. D. 53.9063...	12 18.590	+ 4.8937	- 0.004	...	-53 46 11.36	+ 1.076	+ 0.71	...	2	0.61	3280
4141	8.9†	C. P. D. 46.9245...	18 12 24.880	+ 4.4776	- 0.003	...	-46 28 48.56	+ 1.086	+ 0.65	...	2	0.68	3281
4142	8.5†	C. P. D. 61.6138...	12 26.420	+ 5.4985	- 0.007	...	-61 11 17.12	+ 1.088	+ 0.80	...	2	1.60	3282
4143*	9.4†	C. Z. XVIII. 695..	13 4.285	+ 6.4404	- 0.014	...	-68 23 21.53	+ 1.143	+ 0.94	...	2	2.60	3283
4144	8.5†	C. P. D. 53.9076...	13 35.785	+ 4.8937	- 0.005	...	-53 46 41.93	+ 1.189	+ 0.71	...	2	1.16	3284
4145†	8.7†	C. P. D. 62.5842...	13 38.535	+ 5.6495	- 0.009	...	-62 37 54.00	+ 1.193	+ 0.82	...	2	1.60	3285
4146	8.7†	C. P. D. 56.8755...	18 14 44.885	+ 5.1007	- 0.007	...	-56 40 28.99	+ 1.289	+ 0.74	...	2	1.18	3287
4147	8.8†	C. P. D. 45.9268...	15 48.760	+ 4.4320	- 0.004	...	-45 33 43.39	+ 1.382	+ 0.64	...	2	1.16	3293
4148	8.7†	C. P. D. 49.10564..	17 56.170	+ 4.6467	- 0.005	...	-49 45 33.98	+ 1.567	+ 0.68	...	2	0.62	3298
4149	8.0†	C. P. D. 51.10861..	19 14.465	+ 4.7731	- 0.007	...	-51 56 16.32	+ 1.681	+ 0.69	...	2	0.67	3301
4150	9.0†	C. P. D. 61.6149...	19 19.395	+ 5.5394	- 0.012	...	-61 38 27.71	+ 1.688	+ 0.80	...	2	2.12	3303
4151	9.0†	C. P. D. 53.9134...	18 19 24.060	+ 4.8610	- 0.007	...	-53 20 0.77	+ 1.695	+ 0.70	...	2	2.62	3304
4152	8.2†	C. P. D. 54.8888...	19 27.575	+ 4.9112	- 0.008	...	-54 5 22.24	+ 1.700	+ 0.71	...	2	2.64	3305
4153	8.9†	C. P. D. 60.7053...	21 5.775	+ 5.4477	- 0.013	...	-60 44 28.31	+ 1.843	+ 0.79	...	2	0.68	3309
4154	8.9†	C. P. D. 49.10612..	22 57.550	+ 4.6500	- 0.007	...	-49 52 28.27	+ 2.005	+ 0.67	...	2	1.16	3315
4155	8.4†	C. P. D. 61.6198...	28 37.630	+ 5.5146	- 0.019	...	-61 30 2.01	+ 2.498	+ 0.80	...	2	0.61	3329
4156	8.6†	C. P. D. 45.9400...	18 32 21.705	+ 4.4104	- 0.008	...	-45 19 22.03	+ 2.821	+ 0.64	...	2	0.67	3341
4157	8.9†	C. P. D. 42.8445...	32 41.845	+ 4.2780	- 0.007	...	-42 20 50.42	+ 2.850	+ 0.62	...	2	1.16	3343
4158	8.5†	C. P. D. 47.9003...	34 11.890	+ 4.4973	- 0.010	...	-47 9 19.14	+ 2.980	+ 0.65	...	2	0.62	3346
4159	9.0†	C. P. D. 55.8805...	34 54.340	+ 4.9663	- 0.015	...	-55 6 24.18	+ 3.042	+ 0.71	...	2	1.16	3350
4160	8.6†	C. P. D. 55.8811...	35 28.950	+ 4.9825	- 0.016	...	-55 20 41.94	+ 3.091	+ 0.72	...	2	1.16	3352
4161	8.2†	C. P. D. 47.9021...	18 36 0.190	+ 4.5007	- 0.011	...	-47 15 32.28	+ 3.136	+ 0.65	...	2	1.16	3356
4162†	8.0†	C. P. D. 62.5859...	37 46.235	+ 5.6412	- 0.027	...	-62 50 0.88	+ 3.289	+ 0.81	...	2	0.61	3362
4163	8.6†	C. P. D. 49.10724..	38 40.385	+ 4.6398	- 0.013	...	-49 57 13.33	+ 3.367	+ 0.67	...	2	0.68	3363
4164	8.8†	C. P. D. 64.3958...	39 1.495	+ 5.8399	- 0.031	...	-64 32 58.79	+ 3.397	+ 0.84	...	2	1.66	3365
4165	9.2†	C. P. D. 52.11240..	39 39.940	+ 4.7925	- 0.015	...	-52 34 21.18	+ 3.452	+ 0.69	...	2	2.59	3368

4138. 7.3, 9.8 1" 305°.

4143. C. Z. = 8½ mag.

4145. 1901 July 19. S. pr. of double; both 8.7 mag.

4162. 1900 Aug. 30. "Mass observed."

No.	Mag.	Name.	Mean R.A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4166	8.5†	C. P. D. 62°5971...	18 40 35.155	+ 5.5756	- 0.028	...	-62° 16' 35.10	+ 3.532	+ 0.80	...	2	0.67	3372
4167	8.5†	C. P. D. 57°9209...	40 51.760	+ 5.1493	- 0.021	...	-57 39 25.44	+ 3.555	+ 0.74	...	2	0.61	3373
4168	9.5†	C. P. D. 57°9212...	41 9.640	+ 5.1022	- 0.020	...	-57 3 54.96	+ 3.581	+ 0.73	...	2	1.66	3376
4169	9.5†	C. P. D. 62°5977...	41 59.160	+ 5.6446	- 0.030	...	-62 56 21.80	+ 3.652	+ 0.81	...	2	2.59	3380
4170	8.5†	C. P. D. 56°8997...	43 27.150	+ 5.0811	- 0.021	...	-56 50 26.91	+ 3.778	+ 0.73	...	2	1.16	3384
4171	8.7†	C. P. D. 57°9228...	18 43 56.355	+ 5.1169	- 0.022	...	-57 18 44.22	+ 3.820	+ 0.73	...	2	2.59	3388
4172	8.5†	C. P. D. 53°9345...	44 5.750	+ 4.8493	- 0.018	...	-53 33 53.46	+ 3.834	+ 0.69	...	2	1.18	3389
4173	8.5†	C. P. D. 53°9352...	45 7.265	+ 4.8533	- 0.018	...	-53 39 5.56	+ 3.921	+ 0.69	...	2	2.60	3392
4174	9.3†	C. P. D. 55°8892...	45 17.915	+ 5.0019	- 0.021	...	-55 49 6.01	+ 3.937	+ 0.71	...	2	1.16	3393
4175	8.7†	C. P. D. 46°9518...	45 46.020	+ 4.4716	- 0.013	...	-46 53 26.12	+ 3.977	+ 0.64	...	2	1.63	3396
4176	8.4†	C. P. D. 58°7529...	18 47 33.045	+ 5.2250	- 0.026	...	-58 43 13.66	+ 4.130	+ 0.74	...	2	0.67	3405
4177	8.7†	C. P. D. 58°7532...	48 8.685	+ 5.2324	- 0.026	...	-58 49 19.93	+ 4.180	+ 0.74	...	2	1.16	3410
4178*	8.7†	C. P. D. 40°8698...	49 24.000	+ 4.1717	- 0.011	...	-40 6 0.18	+ 4.288	+ 0.59	...	2	1.64	3414
4179	8.7	C. P. D. 63°4463...	50 53.655	+ 5.6459	- 0.037	...	-63 8 8.56	+ 4.415	+ 0.80	...	2	1.16	3418
4180	8.5†	C. P. D. 56°9052...	52 13.080	+ 5.0289	- 0.025	...	-56 21 36.83	+ 4.528	+ 0.71	...	2	0.67	3423
4181	9.5†	C. P. D. 55°8953...	18 53 25.225	+ 4.9840	- 0.025	...	-55 46 40.10	+ 4.631	+ 0.71	...	2	2.59	3425
4182	8.5†	C. P. D. 41°8844...	53 45.390	+ 4.2246	- 0.012	...	-41 33 20.03	+ 4.659	+ 0.60	...	2	1.63	3428
4183	9.0†	C. P. D. 62°6019...	54 17.205	+ 5.5642	- 0.037	...	-62 27 54.01	+ 4.704	+ 0.79	...	2	1.16	3430
4184	9.5†	C. P. D. 58°7563...	55 6.470	+ 5.2409	- 0.030	...	-58 40 24.67	+ 4.774	+ 0.74	...	2	1.62	3432
4185†	8.7†	C. P. D. 42°8577 <i>pr.</i>	56 16.100	+ 4.2718	- 0.014	...	-42 46 35.35	+ 4.873	+ 0.60	...	2	1.63	3434
4186	5.5	Octantis.....	18 59 44.080	+ 102.3208	- 38.833	+ .111	-89 15 16.83	+ 5.165	+ 14.41	- .004	27 : 65	1.59 : 2.49	3443*
4187	9.0†	C. P. D. 65°3781...	19 6 26.405	+ 5.8178	- 0.054	...	-64 59 32.79	+ 5.731	+ 0.81	...	2	1.63	3463
4188	8.2†	C. P. D. 52°11403...	8 28.500	+ 4.7208	- 0.026	...	-52 13 55.32	+ 5.901	+ 0.66	...	2	0.67	3468
4189	8.4†	C. P. D. 49°10918...	9 58.655	+ 4.5512	- 0.023	...	-49 14 31.68	+ 6.026	+ 0.63	...	2	1.17	3475
4190	8.5†	C. P. D. 62°6066...	10 7.955	+ 5.5612	- 0.049	...	-62 53 11.84	+ 6.039	+ 0.77	...	2	2.13	3476
4191	7.8*	Brisbane 6605.....	19 10 31.733	+ 5.5800	- 0.050	...	-63 4 25.59	+ 6.072	+ 0.77	...	3	1.64	3477
4192	8.6†	C. P. D. 56°9145...	11 20.805	+ 4.9957	- 0.034	...	-56 31 4.71	+ 6.140	+ 0.69	...	2	1.16	3480
4193	8.5†	C. P. D. 58°7604...	11 28.935	+ 5.1206	- 0.037	...	-58 9 35.91	+ 6.152	+ 0.71	...	2	1.66	3481
4194	9.5*	C. Z. XIX. 455.....	12 56.015	+ 5.9678	- 0.065	- .004	-66 19 40.69	+ 6.273	+ 0.82	- .39	2	2.59	3487†
4195*	9.0*	C. G. A. 26424.....	13 22.530	+ 6.2916	- 0.077	...	-68 29 39.10	+ 6.309	+ 0.87	...	2	2.62	3491
4196	8.1†	C. P. D. 55°9060...	19 13 24.195	+ 4.9223	- 0.033	...	-55 33 44.28	+ 6.312	+ 0.68	...	2	0.68	3492
4197	8.2†	C. P. D. 55°9062...	13 59.100	+ 4.9407	- 0.034	...	-55 50 59.05	+ 6.360	+ 0.68	...	2	1.16	3494
4198	9.0†	C. P. D. 65°3797...	17 19.770	+ 5.8445	- 0.064	...	-65 32 20.40	+ 6.637	+ 0.80	...	2	1.16	3504
4199	8.4†	C. P. D. 54°9359...	17 53.060	+ 4.8248	- 0.033	...	-54 17 3.73	+ 6.682	+ 0.66	...	2	0.67	3505
4200	8.1†	C. P. D. 55°9080...	18 15.785	+ 4.8746	- 0.034	...	-55 3 28.13	+ 6.714	+ 0.67	...	2	1.66	3507
4201	9.0†	C. P. D. 54°9393...	19 24 10.255	+ 4.8465	- 0.036	...	-54 53 25.94	+ 7.198	+ 0.66	...	2	1.66	3521
4202	8.4†	C. P. D. 54°9405...	26 19.935	+ 4.8307	- 0.037	...	-54 44 56.13	+ 7.374	+ 0.65	...	2	0.66	3531
4203	8.7†	C. P. D. 64°4000...	31 8.955	+ 5.6516	- 0.069	...	-64 27 58.08	+ 7.764	+ 0.76	...	2	1.16	3540
4204	8.3†	C. P. D. 53°9635...	33 53.225	+ 4.7278	- 0.037	...	-53 28 48.06	+ 7.985	+ 0.63	...	2	1.16	3546
4205	8.5†	C. P. D. 87°295.....	36 41.605	+ 34.1843	- 6.647	+ .328	-87 45 20.70	+ 8.209	+ 4.54	- .10	2	2.12	3557†

4178. Cape 8.5, 9; Cor. D. 9.7 mag.
 4185. 8.7, 8.7 4.1 78°.
 4195. C. G. A. 8.7; C. Z. 9, 9; Cape 9.5 mag.

4194, 4205. Proper Motion by Ristenpart.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4206	6.3	Lacaille 8094	^h 19 ^m 37 ^s 36.528	+ 11.3145	- 0.538	- .006	-81° 36' 0.65	+ 8.282	+ 1.50	+ .009	12 : 21	0.77 : 1.41	3561*
4207	8.9†	C. P. D. 44.9636...	37 52.115	+ 4.2759	- 0.025	...	-44 41 45.15	+ 8.303	+ 0.56	...	2	1.16	3563
4208	8.8†	C. P. D. 55.9181...	39 8.680	+ 4.8354	- 0.043	...	-55 27 53.65	+ 8.404	+ 0.63	...	2	1.66	3565
4209	8.5†	C. P. D. 55.9183...	39 22.040	+ 4.8147	- 0.042	...	-55 9 34.38	+ 8.422	+ 0.63	...	2	2.60	3566
4210	9.0†	C. P. D. 52.11535...	40 17.150	+ 4.6613	- 0.038	...	-52 41 56.02	+ 8.495	+ 0.61	...	2	1.16	3569
4211	8.5†	C. P. D. 64.4005...	19 41 35.435	+ 5.6143	- 0.076	...	-64 35 42.56	+ 8.598	+ 0.74	...	2	1.16	3577
4212	9.2†	C. P. D. 60.7335...	41 44.005	+ 5.1595	- 0.056	...	-59 57 43.30	+ 8.609	+ 0.68	...	2	2.12	3578
4213	8.7†	C. P. D. 49.11081...	45 6.035	+ 4.4969	- 0.034	...	-49 55 49.65	+ 8.874	+ 0.58	...	2	1.16	3589
4214	10.0†	C. P. D. 67.3687...	45 17.975	+ 5.9317	- 0.095	...	-67 16 13.39	+ 8.890	+ 0.77	...	2	2.59	3591
4215	9.5†	C. P. D. 81.878.....	49 14.120	+ 11.1092	- 0.585	...	-81 35 42.32	+ 9.197	+ 1.44	...	2	2.12	3600
4216	8.6†	C. P. D. 56.9368...	19 53 25.240	+ 4.8351	- 0.050	...	-56 17 24.42	+ 9.521	+ 0.61	...	2	2.12	3610
4217	8.5†	C. P. D. 42.8974...	54 36.240	+ 4.1567	- 0.027	...	-42 45 28.57	+ 9.612	+ 0.53	...	2	0.66	3613
4218	8.9†	C. P. D. 55.9291...	54 56.215	+ 4.7788	- 0.048	...	-55 31.20.29	+ 9.637	+ 0.61	...	2	1.20	3616
4219	8.5†	C. P. D. 56.9398...	58 0.680	+ 4.8081	- 0.051	...	-56 10 28.78	+ 9.873	+ 0.61	...	2	0.72	3625
4220	7.8*	Lacaille 8326	58 43.667	+ 3.9365	- 0.021	...	-36 39 39.12	+ 9.927	+ 0.50	...	3	1.66	3626
4221	6.3	Brisbane 6788	19 58 49.370	+ 5.7599	- 0.099	...	-66 38 25.65	+ 9.934	+ 0.73	...	3	0.99	3627
4222	8.0†	C. P. D. 53.9799...	20 0 32.740	+ 4.6536	- 0.046	...	-53 50 11.72	+ 10.065	+ 0.58	...	2	0.72	3631
4223	8.3†	C. P. D. 64.4029...	2 20.280	+ 5.4559	- 0.085	...	-64 14 1.13	+ 10.200	+ 0.68	...	2	0.70	3637
4224	8.8†	C. P. D. 64.4030...	2 22.025	+ 5.5298	- 0.089	...	-64 54 52.31	+ 10.202	+ 0.69	...	2	0.66	3638
4225	8.4†	C. P. D. 51.11434...	4 36.415	+ 4.4856	- 0.041	...	-51 1 2.20	+ 10.370	+ 0.56	...	2	0.70	3644
4226	8.5†	C. P. D. 59.7591...	20 4 42.480	+ 4.9810	- 0.062	...	-59 4 33.61	+ 10.378	+ 0.62	...	2	0.66	3645
4227	8.5†	C. P. D. 55.9349...	5 58.920	+ 4.7285	- 0.052	...	-55 28 5.15	+ 10.473	+ 0.58	...	2	0.76	3649
4228	8.0†	C. P. D. 65.3846...	6 12.260	+ 5.5280	- 0.093	...	-65 7 11.17	+ 10.490	+ 0.68	...	2	0.66	3651
4229	8.0†	Lacaille 8390 seq...	11 8.207	+ 4.0317	- 0.027	...	-40 29 40.77	+ 10.855	+ 0.49	...	3	0.66	3665
4230	9.2†	C. Z. XX. 437.....	15 18.253	+ 4.8101	- 0.060	...	-57 25 37.49	+ 11.160	+ 0.58	...	3	0.71	3675
4231	8.5†	C. P. D. 52.11685...	20 17 48.505	+ 4.5167	- 0.048	...	-52 39 29.62	+ 11.341	+ 0.54	...	2	0.66	3679
4232	8.5†	C. P. D. 41.9371...	18 21.495	+ 4.0479	- 0.029	...	-41 33 48.64	+ 11.380	+ 0.48	...	2	0.68	3681
4233	7.1	Lacaille 8257	18 47.524	+ 15.0231	- 1.632	+ .030	-84 44 49.35	+ 11.412	+ 1.80	+ .033	8 : 36	1.57 : 2.39	3685*
4234	8.8	C. P. D. 48.11228...	20 20.090	+ 4.3287	- 0.041	...	-48 57 46.52	+ 11.522	+ 0.51	...	2	0.66	3688
4235	6.2	Lacaille 8438	20 24.383	+ 3.9182	- 0.025	...	-37 43 35.72	+ 11.527	+ 0.46	...	3	0.71	3689
4236	9.8†	C. P. D. 44.9839...	20 27 7.483	+ 4.1369	- 0.035	...	-44 50 40.29	+ 12.003	+ 0.48	...	3	0.73	3707
4237	8.5†	C. P. D. 63.4594...	27 30.845	+ 5.1654	- 0.088	...	-62 56 43.24	+ 12.031	+ 0.60	...	2	1.72	3709
4238†	7.5	Lacaille 8491	29 35.230	+ 4.1680	- 0.037	...	-45 54 11.03	+ 12.175	+ 0.48	...	3	0.69	3715
4239	7.2*	Lacaille 8482	31 0.543	+ 5.0500	- 0.084	...	-61 53 3.14	+ 12.274	+ 0.58	...	3	0.76	3720
4240	7.4	Lacaille 8513	33 56.270	+ 3.8366	- 0.025	...	-36 9 2.53	+ 12.475	+ 0.43	...	3	0.69	3726
4241	8.5†	C. P. D. 47.9577...	20 42 34.295	+ 4.1667	- 0.041	...	-47 10 53.64	+ 13.057	+ 0.46	...	2	0.66	3749
4242	8.0	C. P. D. 52.11790...	47 17.805	+ 4.3892	- 0.054	...	-52 54 3.94	+ 13.368	+ 0.47	...	2	0.66	3761
4243†	7.7	C. G. A. 28655.....	48 33.857	+ 4.7650	- 0.077	...	-59 39 12.44	+ 13.451	+ 0.51	...	3	0.74	3767
4244	6.5	Lacaille 8611	52 18.813	+ 5.5630	- 0.142	...	-68 35 53.07	+ 13.692	+ 0.59	...	3	0.66	3775
4245	8.0†	Lacaille 8633	54 40.217	+ 3.8587	- 0.030	...	-39 7 37.24	+ 13.842	+ 0.40	...	3	0.70	3781

4238. 7.9, 8.7 1" 9 1" 1895.9
4243. 7.9, 9.9 1" 6 18.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4246	8.5†	C. P. D. 54.9794...	^h 20 ^m 56 ^s 53.530	+ 4.4290	- 0.061	...	- 54° 46' 53.56	+ 13.982	+ 0.46	...	2	0.66	3787
4247	8.5†	C. P. D. 46.10140...	20 58 32.830	+ 4.0602	- 0.041	...	- 46 5 33.60	+ 14.085	+ 0.42	...	2	0.72	3794
4248	8.6†	C. P. D. 46.10150...	20 59 53.615	+ 4.0746	- 0.042	...	- 46 40 14.49	+ 14.169	+ 0.41	...	2	0.66	3796
4249	8.5†	C. P. D. 55.9517...	21 0 32.640	+ 4.4452	- 0.063	...	- 55 31 19.84	+ 14.209	+ 0.45	...	2	0.72	3800
4250	8.5†	C. P. D. 48.10540...	21 4 4.040	+ 4.1240	- 0.046	...	- 48 34 23.35	+ 14.425	+ 0.41	...	2	0.72	3810
4251	5.3	Lacaille 8719.....	21 6 39.277	+ 3.8373	- 0.032	...	- 39 49 55.51	+ 14.581	+ 0.38	...	3	0.71	3821
4252	9.1†	C. P. D. 56.9606...	7 12.695	+ 4.4425	- 0.066	...	- 56 16 17.49	+ 14.614	+ 0.44	...	2	0.72	3822
4253	8.3*	C. P. D. 43.9403...	7 48.025	+ 3.9293	- 0.037	...	- 43 12 35.24	+ 14.650	+ 0.38	...	2	1.28	3823
4254	8.5†	C. P. D. 55.9556...	11 2.685	+ 4.3818	- 0.065	...	- 55 32 51.99	+ 14.842	+ 0.42	...	2	0.66	3837
4255	8.7†	C. P. D. 45.10136...	13 34.955	+ 3.9798	- 0.041	...	- 45 38 30.59	+ 14.990	+ 0.38	...	2	0.77	3842
4256	8.1†	C. P. D. 53.10042...	21 13 45.495	+ 4.2685	- 0.059	...	- 53 27 14.26	+ 15.000	+ 0.41	...	2	0.68	3844
4257	9.0†	C. P. D. 53.10044...	13 57.820	+ 4.2433	- 0.057	...	- 52 53 51.88	+ 15.012	+ 0.40	...	2	1.28	3845
4258	9.5†	C. Z. XXI. 401....	15 9.450	+ 5.5025	- 0.166	...	- 70 5 4.21	+ 15.081	+ 0.52	...	2	2.78	3847
4259	8.3†	C. P. D. 64.4128...	15 43.410	+ 4.9409	- 0.112	...	- 64 49 55.29	+ 15.114	+ 0.47	...	2	0.72	3849
4260	8.5†	C. P. D. 55.9598...	22 48.705	+ 4.2908	- 0.064	...	- 55 12 47.85	+ 15.514	+ 0.39	...	2	0.72	3871
4261	9.2†	C. P. D. 58.7859...	21 25 27.060	+ 4.4312	- 0.077	...	- 58 26 47.19	+ 15.659	+ 0.40	...	2	0.72	3877
4262	8.0†	C. P. D. 58.7860...	26 9.440	+ 4.4366	- 0.079	...	- 58 38 50.28	+ 15.697	+ 0.40	...	2	0.78	3879
4263	8.5†	C. P. D. 56.9686...	29 19.725	+ 4.3215	- 0.071	...	- 56 49 29.01	+ 15.868	+ 0.38	...	2	0.77	3886
4264	8.5†	C. P. D. 58.7885...	36 11.670	+ 4.3396	- 0.076	...	- 58 14 11.05	+ 16.228	+ 0.37	...	2	0.77	3906
4265	6.5	Octantis.....B	37 39.577	+ 68.3674	- 88.707	+ .006	- 89 19 3.80	+ 16.302	+ 5.79	- .030	20 : 34	1.69 : 2.39	3912*
4266	9.5†	C. P. D. 82.868.....	21 40 18.520	+ 8.6163	- 0.824	...	- 82 8 34.30	+ 16.437	+ 0.71	...	2	2.78	3919
4267†	7.0	Brisbane 7075.....	40 51.653	+ 4.7820	- 0.121	...	- 65 57 56.73	+ 16.465	+ 0.39	...	3	1.11	3920
4268	9.1†	C. P. D. 60.7506...	42 1.880	+ 4.4263	- 0.088	...	- 60 47 47.18	+ 16.523	+ 0.36	...	2	0.78	3925
4269	7.5*	Lacaille 8932.....	45 47.380	+ 4.2454	- 0.074	...	- 57 48 13.21	+ 16.707	+ 0.34	...	6	1.44	3936
4270	9.2†	C. Z. XXI. 1397...	46 57.740	+ 5.0311	- 0.157	- .073	- 69 29 5.55	+ 16.763	+ 0.40	- .25	2	2.78	3938†
4271	9.5†	C. Z. XXI. 1510...	21 50 46.300	+ 5.6640	- 0.251	...	- 74 35 30.18	+ 16.944	+ 0.43	...	2	2.78	3945
4272	7.5*	Lacaille 8960.....	51 11.743	+ 4.1766	- 0.072	...	- 57 10 51.77	+ 16.963	+ 0.32	...	6	1.44	3948
4273	8.3†	C. P. D. 52.11962...	53 30.240	+ 3.9948	- 0.058	...	- 52 46 45.64	+ 17.070	+ 0.30	...	2	1.28	3955
4274	8.2†	C. G. A. 30071.....	54 2.567	+ 4.1452	- 0.071	...	- 56 57 1.26	+ 17.095	+ 0.31	...	3	1.44	3956
4275	8.5†	C. P. D. 48.10682...	54 59.670	+ 3.8517	- 0.048	...	- 48 20 45.59	+ 17.138	+ 0.29	...	2	1.78	3959
4276	8.6†	C. P. D. 55.9757...	21 55 31.360	+ 4.0677	- 0.065	...	- 55 14 34.08	+ 17.162	+ 0.30	...	2	2.80	3960
4277	4.7	Indi.....	21 55 43.454	+ 4.1424	- 0.072	+ .4786	- 57 11 51.97	+ 17.171	+ 0.30	- 2.581	6	1.44	3962*
4278	8.0†	C. G. A. 30114.....	21 55 59.318	+ 3.8269	- 0.046	...	- 47 37 36.02	+ 17.183	+ 0.28	...	4	2.82	3964
4279	8.5†	C. G. A. 30218.....	22 0 52.303	+ 4.1078	- 0.072	...	- 57 20 16.09	+ 17.399	+ 0.29	...	6	1.27	3976
4280	2.0	Gruis.....	22 1 56.045	+ 3.7895	- 0.046	+ .0110	- 47 26 43.43	+ 17.445	+ 0.27	- .175	6	2.47	3979*
4281	10.0†	C. Z. XXII. 23.....	22 3 14.750	+ 6.0960	- 0.364	...	- 77 50 10.96	+ 17.501	+ 0.43	...	2	2.78	3985
4282	8.2†	C. P. D. 63.4756...	3 36.310	+ 4.3810	- 0.102	...	- 63 35 24.14	+ 17.517	+ 0.30	...	2	0.77	3987
4283	7.5*	Lacaille 9044.....	6 15.813	+ 4.0315	- 0.068	...	- 56 26 17.15	+ 17.628	+ 0.27	...	4	1.27	3994
4284	8.0*	C. Z. XXII. 187 ...	7 33.358	+ 3.7532	- 0.045	...	- 47 14 16.15	+ 17.682	+ 0.25	...	8	2.42	4001
4285	8.5†	C. P. D. 54.10044...	9 39.340	+ 3.9257	- 0.060	...	- 54 2 58.14	+ 17.768	+ 0.26	...	2	0.78	4005

4267 7.2, 8.8 1" 4 342°.

4270. Proper Motion by Ristenpart.

No.	Mag.	Name.	Mean R. A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4286	8.5*	Lacaille 9023.....	h m s 22 9 50.920	+ 6.5043	- 0.481	...	-79° 47' 39.03	+17.776	+0.43	...	2	2.78	4006
4287	5.8	Octantis (C).....	12 34.679	+ 12.8755	- 3.201	- 0.40	-86 28 33.82	+17.885	+0.84	+ 0.75	15 : 41	1.65 : 2.06	4018*
4288*	10.0†	C. Z. XXII. 524...	18 50.493	+ 4.1589	- 0.091	...	-62 16 55.64	+18.126	+0.25	...	3	1.44	4034
4289	10.0†	Gillis P. Z. 15791...	25 2.405	+ 7.6141	- 0.918	...	-83 14 38.79	+18.351	+0.44	...	2	2.78	4049
4290	8.8†	C. P. D. 47.9874...	25 5.280	+ 3.6628	- 0.045	...	-47 40 30.56	+18.352	+0.20	...	2	1.28	4050
4291	8.5†	C. P. D. 59.7811...	22 29 17.210	+ 3.9414	- 0.076	...	-59 20 11.83	+18.497	+0.21	...	2	0.78	4060
4292	8.5†	C. P. D. 59.7815...	31 3.070	+ 3.9235	- 0.075	...	-59 16 59.10	+18.556	+0.21	...	2	0.78	4063
4293	9.1†	C. P. D. 60.7585...	32 30.830	+ 3.9554	- 0.080	...	-60 35 18.72	+18.604	+0.21	...	2	1.28	4066
4294	8.5†	C. P. D. 55.9876...	33 12.365	+ 3.7976	- 0.063	...	-55 44 14.42	+18.626	+0.20	...	2	2.32	4070
4295*	var.	C. P. D. 62.6358...	33 58.065	+ 3.9967	- 0.087	...	-62 4 28.70	+18.651	+0.21	...	2	2.76	4072
4296	9.0†	C. P. D. 58.7981...	22 34 5.520	+ 3.8664	- 0.071	...	-58 21 40.89	+18.655	+0.20	...	2	2.32	4074
4297	9.4†	C. P. D. 59.7828...	40 33.970	+ 3.8355	- 0.073	...	-59 15 19.62	+18.855	+0.18	...	2	1.28	4085
4298	9.0†	C. P. D. 58.8000...	41 50.320	+ 3.8103	- 0.072	...	-58 47 46.53	+18.892	+0.18	...	2	1.32	4088
4299	9.2†	C. P. D. 58.8008...	45 9.815	+ 3.7607	- 0.068	...	-58 5 15.74	+18.988	+0.17	...	2	1.28	4098
4300†	7.1	Lacaille 9295.....	49 26.690	+ 3.5382	- 0.045	...	-49 0 0.56	+19.104	+0.15	...	3	1.47	4112
4301	8.5†	C. G. A. 31187....	22 50 35.725	+ 3.3749	- 0.028	...	-37 12 43.35	+19.135	+0.14	...	6	2.50	4115
4302	8.3†	C. P. D. 45.10365..	51 54.055	+ 3.4722	- 0.039	...	-45 37 33.35	+19.168	+0.14	...	2	0.77	4119
4303	9.0†	C. P. D. 47.9929...	52 7.520	+ 3.4994	- 0.042	...	-47 35 39.23	+19.174	+0.14	...	2	1.28	4124
4304	9.3†	C. P. D. 60.7619...	52 9.595	+ 3.7460	- 0.073	...	-59 56 35.51	+19.175	+0.15	...	2	1.87	4125
4305	7.6*	C. P. D. 46.10474..	52 50.330	+ 3.4728	- 0.039	...	-46 3 21.04	+19.192	+0.14	...	2	1.32	4126
4306	10.0†	C. P. D. 80.1061...	22 53 27.215	+ 5.3402	- 0.423	...	-80 25 24.75	+19.208	+0.21	...	2	2.82	4131
4307	8.8†	C. P. D. 59.7846...	54 18.965	+ 3.7188	- 0.072	...	-59 42 1.50	+19.229	+0.15	...	2	1.28	4134
4308	8.4†	C. P. D. 45.10373..	54 26.835	+ 3.4556	- 0.038	...	-45 28 22.40	+19.232	+0.13	...	2	1.32	4136
4309	7.5†	C. P. D. 45.10375..	55 24.020	+ 3.4538	- 0.039	...	-45 44 26.64	+19.256	+0.13	...	2	0.82	4139
4310	8.4†	C. P. D. 52.12102..	55 50.980	+ 3.5449	- 0.050	...	-52 0 10.97	+19.267	+0.13	...	2	1.27	4141
4311	9.1†	C. P. D. 57.8036...	22 57 51.915	+ 3.6439	- 0.065	...	-57 56 49.70	+19.315	+0.13	...	2	1.28	4151
4312	8.5†	C. P. D. 58.8037...	22 59 0.645	+ 3.6506	- 0.067	...	-58 42 33.11	+19.341	+0.13	...	2	1.82	4155
4313	7.7†	Lacaille 9352.....	22 59 25.992	+ 3.3300	- 0.026	+ 5.615	-36 25 41.47	+19.350	+0.12	+1.185	6	2.50	4158†
4314	8.5†	C. P. D. 60.7629...	22 59 33.530	+ 3.6910	- 0.073	...	-60 37 5.32	+19.354	+0.13	...	2	0.78	4159
4315	8.5†	C. P. D. 58.8038...	23 0 21.395	+ 3.6215	- 0.064	...	-57 56 52.41	+19.372	+0.13	...	2	1.77	4162
4316	9.3†	C. P. D. 59.7861...	23 0 52.705	+ 3.6372	- 0.067	...	-58 53 14.58	+19.384	+0.13	...	2	2.84	4164
4317	8.5†	C. P. D. 61.6724...	1 12.800	+ 3.6946	- 0.076	...	-61 25 0.00	+19.391	+0.13	...	2	1.82	4165
4318	9.5†	C. P. D. 58.8041...	1 41.500	+ 3.6123	- 0.064	...	-58 4 58.67	+19.402	+0.13	...	3	1.51	4166
4319	9.2†	C. P. D. 62.6391...	1 44.080	+ 3.7133	- 0.080	...	-62 19 48.29	+19.403	+0.13	...	2	2.82	4167
4320	9.0†	C. P. D. 58.8043...	1 48.915	+ 3.6276	- 0.067	...	-58 50 54.10	+19.404	+0.12	...	2	1.27	4169
4321	9.4†	C. P. D. 52.12117..	23 2 30.170	+ 3.5013	- 0.049	...	-52 17 7.27	+19.419	+0.12	...	2	1.36	4172
4322	8.7	C. P. D. 47.9948...	4 1.365	+ 3.4259	- 0.040	...	-47 34 38.49	+19.452	+0.11	...	2	1.28	4177
4323	9.5†	C. P. D. 58.8048...	4 5.960	+ 3.6007	- 0.065	...	-58 35 4.43	+19.454	+0.12	...	2	1.87	4178
4324	7.8*	C. G. A. 31452.....	4 47.540	+ 3.3034	- 0.026	...	-35 56 27.56	+19.468	+0.11	...	4	2.31	4181
4325	9.2†	C. P. D. 59.7871...	6 37.345	+ 3.5899	- 0.066	...	-59 12 33.40	+19.506	-0.11	...	2	1.28	4188

4288. C. Z. 9 mag.
4295. L., 8 to 14: P., 250d.6.
4300. τ^2 Gruis is 95" S. pr.

4313. Proper Motion from *Cincinnati Pub.*, 13.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Proper Motion.	No. of Obs.	Epoch 1900 +	Ledger 1900-4.
4326	9.1†	C. P. D. 62.6406...	^h 23 ^m 6 ^s 43.090	+ 3.6600	— 0.078	...	— 62° 20' 57.96	+ 19.508	+ 0.11	...	2	1.36	4189
4327	9.0†	C. P. D. 60.7642...	7 33.105	+ 3.5964	— 0.069	...	— 59 56 58.04	+ 19.524	+ 0.11	...	2	1.32	4192
4328	8.1†	C. P. D. 56.10028..	7 46.940	+ 3.5305	— 0.058	...	— 56 37 26.40	+ 19.529	+ 0.11	...	2	1.87	4194
4329	8.8†	C. P. D. 43.9720...	9 23.810	+ 3.3479	— 0.033	...	— 43 16 42.37	+ 19.560	+ 0.10	...	2	1.28	4200
4330	8.5†	C. P. D. 46.10516..	10 48.320	+ 3.3714	— 0.038	...	— 46 25 11.92	+ 19.587	+ 0.10	...	2	1.32	4208
4331	9.0*	C. Z. XXIII. 259..	23 11 0.737	+ 3.7558	— 0.103	...	— 67 28 21.14	+ 19.591	+ 0.11	...	3	2.18	4210
4332	8.5*	C. Z. XXIII. 261..	11 4.195	+ 3.7544	— 0.103	+ .020	— 67 27 14.78	+ 19.592	+ 0.11	— .440	2	2.33	4211†
4333	6.7	Lacaille 9423.....	12 5.117	+ 3.5841	— 0.073	...	— 61 32 50.85	+ 19.610	+ 0.10	...	3	1.80	4214
4334	8.7†	C. P. D. 52.12135..	12 13.670	+ 3.4274	— 0.047	...	— 52 5 17.22	+ 19.613	+ 0.10	...	2	2.82	4215
4335	8.0†	Brisbane 7270... ..	12 44.523	+ 3.5250	— 0.064	...	— 58 50 55.58	+ 19.622	+ 0.10	...	3	1.82	4218
4336	5.5	Octantis.....	23 13 9.412	+ 10.9639	— 5.224	+ .020	— 88 1 52.91	+ 19.630	+ 0.32	+ .015	17 : 46	1.66 : 2.15	4219*
4337†	8.6*	C. Z. XXIII. 383..	15 31.703	+ 3.2753	— 0.027	...	— 38 14 7.31	+ 19.671	+ 0.08	...	3	1.47	4227
4338	9.1†	C. P. D. 57.10259..	17 38.535	+ 3.4513	— 0.057	...	— 57 3 28.61	+ 19.705	+ 0.09	...	2	1.32	4235
4339	9.0†	C. P. D. 43.9737...	17 39.075	+ 3.3044	— 0.033	...	— 43 23 37.39	+ 19.706	+ 0.08	...	2	0.83	4236
4340	9.4†	C. P. D. 58.8070...	19 1.435	+ 3.4534	— 0.059	...	— 58 3 8.40	+ 19.727	+ 0.08	...	2	1.32	4244
4341	9.0†	C. P. D. 56.10073..	23 20 31.395	+ 3.4182	— 0.055	...	— 56 29 6.34	+ 19.750	+ 0.08	...	2	0.82	4247
4342	7.5	Lacaille 9481.....	22 34.287	+ 3.4067	— 0.056	...	— 56 59 7.55	+ 19.780	+ 0.07	...	3	0.84	4256
4343	8.5†	C. P. D. 52.12162..	23 44.370	+ 3.3432	— 0.045	...	— 52 8 23.36	+ 19.796	+ 0.07	...	2	1.37	4258
4344	9.0†	C. P. D. 46.10552..	27 24.815	+ 3.2691	— 0.035	...	— 46 5 52.99	+ 19.845	+ 0.06	...	2	0.82	4270
4345†	7.5*	C. G. A. 31907.....	29 46.860	+ 3.3540	— 0.056	...	— 58 2 50.19	+ 19.873	+ 0.06	...	3	0.84	4278
4346	9.0†	C. P. D. 57.8086...	23 31 20.870	+ 3.3376	— 0.056	...	— 57 52 12.99	+ 19.890	+ 0.05	...	2	0.83	4286
4347	8.5†	C. P. D. 40.9853...	31 36.420	+ 3.2105	— 0.027	...	— 39 55 8.18	+ 19.893	+ 0.05	...	2	1.37	4287
4348	8.5†	C. P. D. 58.8093...	37 7.750	+ 3.2856	— 0.054	...	— 58 1 56.64	+ 19.947	+ 0.04	...	2	1.86	4301
4349†	9.0†	C. Z. XXIII. 981..	37 37.417	+ 3.7049	— 0.203	...	— 78 21 48.41	+ 19.951	+ 0.04	...	3	1.21	4303
4350	8.4*	C. P. D. 41.9965...	40 34.690	+ 3.1729	— 0.027	...	— 41 38 0.81	+ 19.975	+ 0.03	...	2	0.86	4309
4351	8.3†	C. P. D. 62.6443...	23 43 0.580	+ 3.2630	— 0.064	...	— 62 33 50.27	+ 19.992	+ 0.03	...	2	0.86	4315
4352	8.5†	C. P. D. 51.12032..	43 10.485	+ 3.1960	— 0.040	...	— 51 36 20.24	+ 19.993	+ 0.03	...	2	0.88	4316
4353	8.8†	C. P. D. 45.10486..	48 32.320	+ 3.1402	— 0.031	...	— 45 29 35.80	+ 20.022	+ 0.01	...	2	0.88	4328
4354	8.8*	C. Z. XXIII. 1321.	49 51.597	+ 3.1769	— 0.055	...	— 60 31 35.88	+ 20.027	+ 0.01	...	3	1.87	4333
4355	8.5†	C. P. D. 42.9632...	49 53.755	+ 3.1252	— 0.027	...	— 41 57 27.76	+ 20.027	+ 0.01	...	2	0.90	4334
4356	7.7*	Lacaille 9641.....	23 49 54.350	+ 3.1181	— 0.023	...	— 37 55 14.43	+ 20.027	+ 0.01	...	3	0.87	4335
4357	8.7*	C. P. D. 42.9637...	51 55.745	+ 3.1147	— 0.026	...	— 41 59 43.47	+ 20.034	+ 0.01	...	2	0.86	4340
4358	9.5†	C. Z. XXIII. 1444.	54 31.773	+ 3.1759	— 0.102	...	— 72 53 40.74	+ 20.041	0.00	...	3	1.21	4346
4359	8.1†	Lacaille 9685.....	55 4.003	+ 3.0971	— 0.025	...	— 40 44 54.26	+ 20.042	0.00	...	3	0.87	4350
4360	8.2†	C. P. D. 65.4190...	55 32.280	+ 3.1281	— 0.065	...	— 65 1 22.14	+ 20.043	0.00	...	2	1.82	4353

4337. 8.6, 10.5 3.6 225° 1896.9.
 4345. 8.1, 8.5 1.2 57 1895.9.
 4349. 9.0, 10.5 6.6 261 1880.9.

4332. Proper Motion by Ristenpart.

CATALOGUE

OF

63 STARS

FROM EQUATOREAL OBSERVATIONS
REDUCED WITHOUT PROPER MOTION

TO THE

EQUINOX 1900'0.

No.	Mag.	Name.	Mean R. A. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Mean Dec. 1900°.	Precession 1900°.	Sec. Var. 1900°.	Epoch 1900 +	Comp. Star.	Equat.
4361	8.3	Lalande 4932.....	h m s 2 34 59.99	+ 3.3900	+ .019	+ 20° 47' 35.30	+ 15.634	- .32	3.08	388	in. 18
4362	8.9	W. B. (2) II. 951.....	2 41 44.89	+ 3.3780	+ .018	+ 19 25 33.16	+ 15.258	- .33	4.03	407	7
4363	9.3	B. D. 22.468.....	3 11 26.37	+ 3.4846	+ .019	+ 22 35 16.33	+ 13.450	- .38	4.03	474	7
4364	9.5	B. D. 25.610.....	3 39 45.04	+ 3.5889	+ .019	+ 25 16 58.10	+ 11.516	- .43	4.06	546	7
4365	8.5	W. B. (2) III. 836.....	3 40 06.2	+ 3.5982	+ .019	+ 25 39 32.13	+ 11.498	- .43	4.05	540	7
4366	8.7	Piazzi III. 161.....	3 43 15.70	+ 3.5549	+ .017	+ 23 34 51.11	+ 11.264	- .43	4.06	550	7
4367	9.0	W. B. (2) IV. 1367.....	5 1 49.29	+ 3.5835	+ .009	+ 21 33 44.52	+ 5.035	- .51	4.08	736	7
4368	9.2	W. B. (2) IV. 1380.....	5 2 14.79	+ 3.5869	+ .009	+ 21 40 55.38	+ 4.999	- .51	4.08	736	7
4369	8.5	Lalande 10955.....	5 42 25.90	+ 3.5788	+ .004	+ 20 48 52.88	+ 1.536	- .52	4.07	828	7
4370	8.3	Lalande 11468.....	5 58 38.97	+ 3.5960	+ .002	+ 21 23 58.54	+ 0.117	- .52	4.08	866	7
4371	9.7	*	6 2 11.89	+ 3.7780	+ .001	+ 27 50 4.78	- 0.191	- .55	4.09	874	7
4372	9.5	B. D. 27.1002.....	6 2 24.53	+ 3.7659	+ .001	+ 27 25 46.04	- 0.211	- .55	4.08	873	7
4373	9.3	B. D. 23.1477.....	6 38 17.46	+ 3.6341	- .004	+ 23 5 26.41	- 3.334	- .52	4.09	966	7
4374	8.8	B. D. 24.1427.....	6 45 35.59	+ 3.6762	- .005	+ 24 44 44.27	- 3.963	- .53	4.10	983	7
4375	9.5	B. D. 23.1741.....	7 26 26.70	+ 3.6028	- .009	+ 23 7 10.15	- 7.383	- .48	4.10	1061	7
4376	9.4	B. D. 15.1835..... <i>seq.</i>	8 25 57.39	+ 3.3668	- .010	+ 15 19 49.20	- 11.921	- .39	4.11	1185	7
4377	9.2	B. D. 15.1839.....	8 26 33.12	+ 3.3672	- .010	+ 15 22 42.58	- 11.963	- .39	4.12	1185	7
4378	9.7	*	8 48 53.73	+ 3.3298	- .011	+ 14 35 35.39	- 13.472	- .35	4.12	1232	7
4379	9.4	B. D. 14.1993.....	8 49 11.04	+ 3.3304	- .011	+ 14 38 9.82	- 13.491	- .35	4.12	1232	7
4380*	8.5	Lalande 23852.....	12 42 48.68	+ 3.1101	+ .009	- 8 37 17.42	- 19.697	+ .09	4.44	1730	...
4381	9.5	B. D. 20.4089.....	14 40 42.36	+ 3.3989	+ .019	- 20 44 58.97	- 15.318	+ .33	2.65	2001	18
4382	9.3	C. P. D. 23.6188.....	15 22 52.04	+ 3.5267	+ .019	- 23 42 48.96	- 12.692	+ .40	2.68	2104	18
4383	9.5	C. P. D. 23.6199.....	15 24 26.40	+ 3.5283	+ .019	- 23 40 30.11	- 12.586	+ .40	2.68	2104	18
4384	8.5	C. G. A. 21033.....	15 25 57.26	+ 3.4493	+ .016	- 19 49 20.03	- 12.483	+ .40	2.70	2108	18
4385	8.8	C. G. A. 21222.....	15 33 47.97	+ 3.5368	+ .018	- 23 23 51.73	- 11.937	+ .42	3.67	2134	7
4386	9.1	O. A. 14755.....	15 34 39.95	+ 3.4200	+ .015	- 17 53 58.31	- 11.877	+ .41	3.67	2139	7
4387	9.3	Cor D. 23.13234.....	17 7 38.11	+ 3.6331	+ .009	- 23 18 19.66	- 4.539	+ .52	2.68	2351	18
4388	9.4	C. P. D. 23.6544.....	17 7 58.17	+ 3.6351	+ .009	- 23 22 28.34	- 4.512	+ .52	2.68	2351	18
4389	9.2	B. D. 19.4612.....	17 16 16.82	+ 3.5349	+ .007	- 19 25 6.89	- 3.801	+ .51	3.69	2372	7
4390	9.3	B. D. 22.4473.....	17 52 51.34	+ 3.6262	+ .003	- 22 31 11.23	- 0.625	+ .53	3.70	2455	7
4391	8.5	Lalande 32852.....	17 52 55.32	+ 3.6221	+ .003	- 22 22 16.00	- 0.620	+ .53	3.70	2455	7
4392	9.3	B. D. 22.4481.....	17 53 44.44	+ 3.6291	+ .003	- 22 37 29.25	- 0.548	+ .53	3.71	2459	7
4393	8.9	B. D. 22.4482.....	17 53 47.75	+ 3.6298	+ .003	- 22 38 57.44	- 0.543	+ .53	3.71	2459	7
4394	9.2	Anon.....	17 53 59.24	+ 3.6268	+ .003	- 22 32 25.91	- 0.525	+ .53	3.70	2455	7
4395	9.3	C. Z. XVII. 3857.....	17 58 27.92	+ 3.6799	+ .002	- 24 27 1.73	- 0.134	+ .54	3.75	2474	7
4396	9.3	B. D. 21.4918.....	18 8 39.52	+ 3.6070	+ .001	- 21 49 16.85	+ 0.758	+ .53	3.75	2494	7
4397	9.1	O. A. 17878.....	18 8 39.68	+ 3.6054	+ .001	- 21 45 30.37	+ 0.758	+ .53	3.75	2494	7
4398	9.6	C. P. D. 25.6507.....	18 19 44.74	+ 3.7084	- .001	- 25 32 13.99	+ 1.724	+ .54	3.76	2520	7
4399	9.7	Cor D. 25.13109.....	18 19 50.71	+ 3.6989	- .001	- 25 12 7.49	+ 1.734	+ .54	3.76	2518	7
4400	9.7	C. P. D. 25.6516.....	18 20 49.14	+ 3.7045	- .001	- 25 24 26.77	+ 1.818	+ .54	3.76	2520	7

4380. $\Delta \alpha$, and $\Delta \delta$ observed with Transit-Circle.

No.	Mag.	Name.	Mean R.A. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Mean Dec. 1900.0.	Precession 1900.0.	Sec. Var. 1900.0.	Epoch 1900 +	Comp. Star.	Equat.
4401	9.6	Cor. D. 23.14441.....	^h 18 ^m 25 ^s 2.60	+ 3.6449	- .002	- 23 19 11.92	+ 2.186	+ .53	3.76	2533	^{in.} 7
4402	9.5	C. P. D. 24.6485.....	18 35 1.52	+ 3.6644	- .003	- 24 8 44.16	+ 3.052	+ .53	3.77	2555	7
4403	9.5	C. Z. XVIII. 1972.....	18 35 27.73	+ 3.6732	- .003	- 24 27 57.17	+ 3.090	+ .53	3.79	2558	7
4404	9.1	C. Z. XVIII. 2042.....	18 36 57.67	+ 3.6711	- .003	- 24 24 51.60	+ 3.219	+ .53	3.79	2558	7
4405	8.7	O. A. 18626.....	18 39 29.55	+ 3.5747	- .003	- 20 53 14.51	+ 3.438	+ .51	3.79	2567	7
4406	9.1	C. G. A. 25680.....	18 41 39.02	+ 3.7156	- .005	- 26 4 39.05	+ 3.623	+ .53	3.80	2577	7
4407	9.5	C. P. D. 26.6563.....	18 42 53.56	+ 3.7135	- .005	- 26 1 42.55	+ 3.731	+ .53	3.80	2577	7
4408	8.8	C. Z. XVIII. 2384.....	18 43 47.54	+ 3.7139	- .005	- 26 3 37.01	+ 3.808	+ .53	3.80	2577	7
4409	9.1	B. D. 17.5468.....	19 0 53.74	+ 3.4783	- .005	- 17 28 32.49	+ 5.264	+ .49	3.80	2629	7
4410	8.8	O. A. 19071.....	19 0 56.60	+ 3.4763	- .005	- 17 23 54.49	+ 5.269	+ .49	3.80	2629	7
4411	9.2	C. Z. XIX. 19.....	19 1 57.37	+ 3.6939	- .007	- 25 45 52.45	+ 5.353	+ .52	3.80	2630	7
4412	7.8	48 Sagittarii.....	19 19 17.92	+ 3.6481	- .009	- 24 36 26.57	+ 6.799	+ .50	3.80	2676	7
4413	9.0	C. P. D. 23.7475.....	19 19 38.89	+ 3.6143	- .008	- 23 20 0.69	+ 6.828	+ .49	3.80	2675	7
4414	8.3	Lalande 36618.....	19 20 54.54	+ 3.6371	- .009	- 24 14 43.69	+ 6.931	+ .50	3.82	2677	7
4415*	7.3	Bradley 2627.....	20 23 18.13	+ 3.4287	- .011	- 18 12 13.46	+ 11.735	+ .39	2.62	2826	18
4416	9.3	B. D. 17.6065.....	20 37 42.83	+ 3.3918	- .012	- 17 11 58.46	+ 12.732	+ .38	3.85	2862	7
4417	9.5	B. D. 17.6068.....	20 38 31.38	+ 3.3875	- .012	- 17 1 42.49	+ 12.786	+ .38	3.85	2862	7
4418	9.1	Lalande 42059.....	21 31 36.09	+ 3.2416	- .010	- 11 51 39.74	+ 15.989	+ .28	2.89	2997	18
4419	9.2	B. D. 11.5636.....	21 32 54.39	+ 3.2276	- .009	- 10 59 7.26	+ 16.057	+ .28	2.89	3001	18
4420	9.4	B. D. 6.5951.....	22 10 34.02	+ 3.1386	- .006	- 6 11 11.35	+ 17.805	+ .20	2.90	3086	18
4421	9.5	B. D. 6.5955.....	22 11 28.05	+ 3.1354	- .006	- 5 55 4.85	+ 17.841	+ .20	2.67	3094	18
4422	9.5	B. D. 6.5959.....	22 11 42.16	+ 3.1347	- .006	- 5 52 48.83	+ 17.850	+ .20	2.67	3094	18
4423	9.2	B. D. 0.4996.....	23 21 27.88	+ 3.0697	.000	+ 0 40 35.74	+ 19.764	+ .07	2.85	3277	18

4415. Proper Motion +0.0018, -0.010.

CATALOGUE

OF

41 STARS

FROM PHOTOGRAPHIC PLATES.

CAPE CATALOGUE.

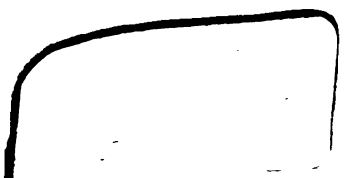
Q

No.	Mag.	Name.	Mean R. A. 1900°.	Procession 1900°.	Sec. Var. 1900°.	Mean Dec. 1900°.	Procession 1900°.	Sec. Var. 1900°.
4424	9.7	Anon.....	^h 6 ^m 26 ^s 40.76	+ 3.6747	— .002	+ 24° 23' 42".82	— 2".327	— ".53
4425	9.5	Anon.....	6 27 26.78	+ 3.6662	— .002	+ 24 6 51.66	— 2.395	— .53
4426	9.3	B. D. 24.1306.....	6 27 42.86	+ 3.6698	— .002	+ 24 14 40.74	— 2.418	— .53
4427	9.2	B. D. 24.1308.....	6 28 0.32	+ 3.6738	— .002	+ 24 23 25.68	— 2.443	— .53
4428	9.2	B. D. 24.1309.....	6 28 0.56	+ 3.6663	— .002	+ 24 7 25.68	— 2.444	— .53
4429	9.3	B. D. 24.1310.....	6 28 3.26	+ 3.6716	— .002	+ 24 18 55.62	— 2.448	— .53
4430	9.4	B. D. 24.1310.....	6 28 3.80	+ 3.6699	— .002	+ 24 15 15.90	— 2.448	— .53
4431	8.3	C. P. D. 60.904.....	7 50 16.92	+ 1.0100	— .011	— 60 7 29.88	— 9.278	— .13
4432	8.4	C. P. D. 59.935.....	7 53 40.61	+ 1.0326	— .010	— 60 2 49.44	— 9.541	— .13
4433	8.5	C. P. D. 60.927.....	7 53 43.16	+ 0.9884	— .011	— 60 34 39.54	— 9.544	— .12
4434	8.4	C. P. D. 59.936.....	7 54 18.54	+ 1.0403	— .010	— 59 59 21.96	— 9.589	— .13
4435	8.4	C. P. D. 60.939.....	7 54 41.04	+ 0.9970	— .011	— 60 31 56.04	— 9.618	— .12
4436	8.2	C. P. D. 60.955.....	7 55 50.66	+ 1.0173	— .011	— 60 21 34.80	— 9.707	— .13
4437	8.5	C. P. D. 59.943.....	7 55 52.02	+ 1.0457	— .011	— 60 0 58.56	— 9.709	— .13
4438	8.3	C. P. D. 60.960.....	7 55 57.26	+ 0.9817	— .012	— 60 47 13.20	— 9.715	— .12
4439	8.2	C. P. D. 60.961.....	7 55 59.16	+ 0.9946	— .012	— 60 38 14.88	— 9.718	— .12
4440	8.5	C. P. D. 60.964.....	7 56 2.00	+ 1.0183	— .011	— 60 21 32.94	— 9.721	— .13
4441	7.8	C. P. D. 60.966.....	7 56 6.28	+ 1.0204	— .011	— 60 20 16.74	— 9.727	— .13
4442	8.2	C. P. D. 60.968.....	7 56 6.37	+ 1.0022	— .011	— 60 33 16.02	— 9.727	— .12
4443	8.0	C. P. D. 60.969.....	7 56 8.41	+ 1.0144	— .011	— 60 24 41.88	— 9.729	— .13
4444	8.4	C. P. D. 60.970.....	7 56 8.50	+ 1.0033	— .011	— 60 32 38.52	— 9.730	— .13
4445	8.2	C. P. D. 60.975.....	7 56 18.42	+ 1.0016	— .011	— 60 34 25.50	— 9.742	— .12
4446	8.3	C. P. D. 60.978.....	7 56 22.73	+ 1.0048	— .011	— 60 32 26.70	— 9.748	— .13
4447	8.0	C. P. D. 60.985.....	7 56 33.67	+ 1.0006	— .011	— 60 36 5.34	— 9.762	— .12
4448	8.1	C. P. D. 59.948.....	7 56 41.31	+ 1.0763	— .010	— 59 41 17.94	— 9.771	— .13
4449	8.4	C. P. D. 60.989.....	7 56 44.64	+ 1.0014	— .012	— 60 36 8.16	— 9.775	— .12
4450	7.8	C. P. D. 60.990.....	7 56 47.21	+ 1.0078	— .011	— 60 31 44.58	— 9.779	— .13
4451	8.0	C. P. D. 60.993.....	7 56 50.00	+ 1.0142	— .011	— 60 27 20.16	— 9.782	— .13
4452	8.5	C. P. D. 60.995.....	7 56 52.90	+ 1.0278	— .011	— 60 17 41.88	— 9.786	— .13
4453	8.4	C. P. D. 60.1001.....	7 56 59.72	+ 0.9910	— .012	— 60 44 23.40	— 9.795	— .12
4454	7.4	C. P. D. 60.1003.....	7 57 2.53	+ 1.0176	— .011	— 60 25 39.90	— 9.798	— .13
4455	7.8	C. P. D. 60.1005..... <i>pr.</i>	7 57 8.42	+ 1.0229	— .011	— 60 22 12.06	— 9.806	— .13
4456		C. P. D. 60.1005..... <i>seq.</i>	7 57 9.38	+ 1.0230	— .011	— 60 22 9.18	— 9.807	— .13
4457	8.5	C. P. D. 60.1017.....	7 57 46.80	+ 1.0135	— .011	— 60 31 15.08	— 9.855	— .13
4458	8.4	C. P. D. 59.955.....	7 58 2.65	+ 1.0827	— .010	— 59 41 28.02	— 9.875	— .13
4459	8.5	C. P. D. 59.971.....	8 1 14.08	+ 1.0909	— .010	— 59 47 13.02	— 10.117	— .13
4460	8.3	C. P. D. 59.973.....	8 1 37.85	+ 1.0864	— .011	— 59 52 10.02	— 10.147	— .13
4461	9.2	B. D. 19.5041.....	18 25 39.84	+ 3.5313	— .001	— 19 3 51.24	+ 2.240	+ .51
4462	8.3	O. A. 18330.....	18 25 44.16	+ 3.5337	— .001	— 19 9 26.82	+ 2.247	+ .51
4463	9.2	O. A. 18342.....	18 26 5.40	+ 3.5290	— .001	— 18 59 14.04	+ 2.277	+ .51
4464	9.6	B. D. 19.5056.....	18 26 31.20	+ 3.5306	— .001	— 19 2 47.70	+ 2.315	+ .51

4424-5, Magnitude from Cape Observations; 4431-60, from C. P. D.; others from B. D.



3 2044 020 784 534





32044020784534